

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1382

DATE: JANUARY 1, 2023

PROJECT RP11770

**The following classification changes will be effected by this Notice of Changes:**

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	G06K	9/00, 9/00496, 9/00503, 9/0051, 9/00516, 9/00523, 9/0053, 9/00536, 9/00543, 9/0055, 9/00557, 9/00563, 9/0057, 9/62, 9/6201, 9/6215, 9/6217, 9/6218, 9/6219, 9/622, 9/6221, 9/6222, 9/6223, 9/6224, 9/6226, 9/6227, 9/6228, 9/6229, 9/623, 9/6231, 9/6232, 9/6234, 9/6235, 2009/6236, 2009/6237, 2009/6238, 9/6239, 9/624, 9/6242, 9/6243, 9/6244, 9/6245, 9/6246, 9/6247, 9/6248, 9/6249, 9/6251, 9/6252, 9/6253, 9/6254, 9/6255, 9/6256, 9/6257, 9/6259, 9/626, 9/6261, 9/6262, 9/6263, 9/6264, 9/6265, 9/6267, 9/6268, 9/6269, 9/627, 9/6271, 9/6272, 9/6273, 9/6274, 9/6276, 9/6277, 9/6278, 9/6279, 9/628, 9/6281, 9/6282, 9/6284, 9/6285, 9/6286, 9/6287, 9/6288, 9/6289, 9/629, 9/6292, 9/6293, 2009/6294, 2009/6295, 9/6296, 9/6297, 9/6298
Symbols New:	G06F	18/00, 18/10, 18/15, 18/20, 18/21, 18/211, 18/2111, 18/2113, 18/2115, 18/213, 18/2131, 18/2132, 18/21322, 18/21324, 18/21326, 18/21328, 18/2133, 18/2134, 18/21342, 18/21343, 18/21345, 18/21347, 18/21348, 18/2135, 18/21355, 18/2136, 18/2137, 18/21375, 18/214, 18/2148, 18/2155, 18/2163, 18/217, 18/2178, 18/2185, 18/2193, 18/22, 18/23, 18/231, 18/232, 18/2321, 18/23211, 18/23213, 18/2323, 18/2325, 18/2337, 18/24, 18/241, 18/2411, 18/2413, 18/24133, 18/24137, 18/2414, 18/24143, 18/24147, 18/2415, 18/24155, 18/243, 18/2431, 18/24317, 18/24323, 18/2433, 18/245, 18/2451, 18/2453, 18/24765, 18/25, 18/251, 18/253, 18/254, 18/256, 18/257, 18/259, 18/26, 18/27, 18/28, 18/285, 18/29, 18/295, 18/30, 18/40, 18/41
	G06F	2123/00, 2123/02
	G06F	2218/00, 2218/02, 2218/04, 2218/06, 2218/08, 2218/10, 2218/12, 2218/14, 2218/16, 2218/18, 2218/20, 2218/22

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<b>Action</b>	<b>Subclass</b>	<b>Group(s)</b>
Warnings Deleted:	G06K	9/00, 9/62, 9/6201, 9/6215, 9/6217, 9/6218, 9/6219, 9/622, 9/6221, 9/6222, 9/6223, 9/6224, 9/6226, 9/6227, 9/6228, 9/6229, 9/623, 9/6231, 9/6232, 9/6234, 9/6235, 2009/6236, 2009/6237, 2009/6238, 9/6239, 9/624, 9/6242, 9/6243, 9/6244, 9/6245, 9/6246, 9/6247, 9/6248, 9/6249, 9/6251, 9/6252, 9/6253, 9/6254, 9/6255, 9/6256, 9/6257, 9/6259, 9/626, 9/6261, 9/6262, 9/6263, 9/6264, 9/6265, 9/6267, 9/6268, 9/6269, 9/627, 9/6271, 9/6272, 9/6273, 9/6274, 9/6276, 9/6277, 9/6278, 9/6279, 9/628, 9/6281, 9/6282, 9/6284, 9/6285, 9/6286, 9/6287, 9/6288, 9/6289, 9/629, 9/6292, 9/6293, 2009/6294, 2009/6295, 9/6296, 9/6297, 9/6298
Warnings New:	G06F	18/00, 18/10, 18/15, 18/20, 18/213, 18/2131, 18/232, 18/2325, 18/2337, 18/30
Guidance Headings New:	G06F	2123/00
	G06F	2218/00
<b>DEFINITIONS:</b>		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	G06K	9/00, 9/00496

**The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):** A47L, A61B, A61N, B07C, B42D, B43K, B60Q, B60S, E05B, G01C, G01R, G01S, G06F, G06K, G06T, G06V, G07B, G07C, G07D, G08B, G08G, G09B, G09C, G10H, G10L, G11B, G16, G16B, G16C, G16H, H01J, H01L, H03H, H04H, H04L, H04N

**This Notice of Changes includes the following [Check the ones included]:**

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3.  REVISION CONCORDANCE LIST (RCL)

4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5.  CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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## 1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING**

<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>Transferred to#</b>
U	G06F 17/40	1	Data acquisition and logging (for input to computer G06F3/00)	
Q	G06F 18/00	0	Pattern recognition	G06F 18/00, G06F 18/20, G06F 18/26, G06F 18/27, G06F 18/30
Q	G06F 18/10	1	Pre-processing; Data cleansing	G06F 18/10, G06F 18/15
N	G06F 18/15	2	Statistical pre-processing, e.g. techniques for normalisation or restoring missing data	
N	G06F 18/20	1	Analysing	
N	G06F 18/21	2	Design or setup of recognition systems or techniques; Extraction of features in feature space; Blind source separation	
N	G06F 18/211	3	Selection of the most significant subset of features	
N	G06F 18/2111	4	by using evolutionary computational techniques, e.g. genetic algorithms	
N	G06F 18/2113	4	by ranking or filtering the set of features, e.g. using a measure of variance or of feature cross-correlation	
N	G06F 18/2115	4	by evaluating different subsets according to an optimisation criterion, e.g. class separability, forward selection or backward elimination	
Q	G06F 18/213	3	Feature extraction, e.g. by transforming the feature space; Summarisation; Mappings, e.g. subspace methods	G06F 18/213, G06F 18/2131
N	G06F 18/2131	4	based on a transform domain processing, e.g. wavelet transform	
N	G06F 18/2132	4	based on discrimination criteria, e.g. discriminant analysis	
N	G06F 18/21322	5	{Rendering the within-class scatter matrix non-singular}	
N	G06F 18/21324	6	{involving projections, e.g. Fisherface techniques}	
N	G06F 18/21326	6	{involving optimisations, e.g. using regularisation techniques}	
N	G06F 18/21328	6	{involving subspace restrictions, e.g. nullspace techniques}	

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N	G06F 18/2133	4	based on naturality criteria, e.g. with non-negative factorisation or negative correlation	
N	G06F 18/2134	4	based on separation criteria, e.g. independent component analysis	
N	G06F 18/21342	5	{using statistical independence, i.e. minimising mutual information or maximising non-gaussianity}	
N	G06F 18/21343	5	{using decorrelation or non-stationarity, e.g. minimising lagged cross-correlations}	
N	G06F 18/21345	5	{enforcing sparsity or involving a domain transformation}	
N	G06F 18/21347	5	{using domain transformations}	
N	G06F 18/21348	5	{overcoming non-stationarity or permutations}	
N	G06F 18/2135	4	based on approximation criteria, e.g. principal component analysis	
N	G06F 18/21355	5	{nonlinear criteria, e.g. embedding a manifold in a Euclidean space}	
N	G06F 18/2136	4	based on sparsity criteria, e.g. with an overcomplete basis	
N	G06F 18/2137	4	based on criteria of topology preservation, e.g. multidimensional scaling or self-organising maps	
N	G06F 18/21375	5	{involving differential geometry, e.g. embedding of pattern manifold}	
N	G06F 18/214	3	Generating training patterns; Bootstrap methods, e.g. bagging or boosting	
N	G06F 18/2148	4	{characterised by the process organisation or structure, e.g. boosting cascade}	
N	G06F 18/2155	4	{characterised by the incorporation of unlabelled data, e.g. multiple instance learning [MIL], semi-supervised techniques using expectation-maximisation [EM] or naïve labelling}	
N	G06F 18/2163	3	{Partitioning the feature space}	
N	G06F 18/217	3	{Validation; Performance evaluation; Active pattern learning techniques}	
N	G06F 18/2178	4	{based on feedback of a supervisor}	
N	G06F 18/2185	5	{the supervisor being an automated module, e.g. intelligent oracle}	
N	G06F 18/2193	4	{based on specific statistical tests}	
N	G06F 18/22	2	Matching criteria, e.g. proximity measures	
N	G06F 18/23	2	Clustering techniques	

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N	G06F 18/231	3	Hierarchical techniques, i.e. dividing or merging pattern sets so as to obtain a dendrogram	
Q	G06F 18/232	3	Non-hierarchical techniques	G06F 18/232, G06F 18/2325, G06F 18/2337
N	G06F 18/2321	4	using statistics or function optimisation, e.g. modelling of probability density functions	
N	G06F 18/23211	5	with adaptive number of clusters	
N	G06F 18/23213	5	with fixed number of clusters, e.g. K-means clustering	
N	G06F 18/2323	4	based on graph theory, e.g. minimum spanning trees [MST] or graph cuts	
N	G06F 18/2325	4	using vector quantisation	
N	G06F 18/2337	4	using fuzzy logic, i.e. fuzzy clustering	
N	G06F 18/24	2	Classification techniques	
N	G06F 18/241	3	relating to the classification model, e.g. parametric or non-parametric approaches	
N	G06F 18/2411	4	based on the proximity to a decision surface, e.g. support vector machines	
N	G06F 18/2413	4	based on distances to training or reference patterns	
N	G06F 18/24133	5	{Distances to prototypes}	
N	G06F 18/24137	6	{Distances to cluster centroids}	
N	G06F 18/2414	7	{Smoothing the distance, e.g. radial basis function networks [RBFN]}	
N	G06F 18/24143	6	{Distances to neighbourhood prototypes, e.g. restricted Coulomb energy networks [RCEN]}	
N	G06F 18/24147	5	{Distances to closest patterns, e.g. nearest neighbour classification}	
N	G06F 18/2415	4	based on parametric or probabilistic models, e.g. based on likelihood ratio or false acceptance rate versus a false rejection rate	
N	G06F 18/24155	5	{Bayesian classification}	
N	G06F 18/243	3	relating to the number of classes	
N	G06F 18/2431	4	Multiple classes	
N	G06F 18/24317	4	{Piecewise classification, i.e. whereby each classification requires several discriminant rules }	
N	G06F 18/24323	4	{Tree-organised classifiers }	
N	G06F 18/2433	4	Single-class perspective, e.g. one-against-all classification; Novelty detection; Outlier detection	
N	G06F 18/245	3	relating to the decision surface	
N	G06F 18/2451	4	linear, e.g. hyperplane	

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N	G06F 18/2453	4	non-linear, e.g. polynomial classifier	
N	G06F 18/24765	3	{Rule-based classification}	
N	G06F 18/25	2	Fusion techniques	
N	G06F 18/251	3	{of input or preprocessed data}	
N	G06F 18/253	3	{of extracted features}	
N	G06F 18/254	3	{of classification results, e.g. of results related to same input data}	
N	G06F 18/256	4	{of results relating to different input data, e.g. multimodal recognition}	
N	G06F 18/257	3	{Belief theory, e.g. Dempster-Shafer}	
N	G06F 18/259	3	{Fusion by voting}	
N	G06F 18/26	2	Discovering frequent patterns	
N	G06F 18/27	2	Regression, e.g. linear or logistic regression	
N	G06F 18/28	2	Determining representative reference patterns, e.g. by averaging or distorting; Generating dictionaries	
N	G06F 18/285	2	{Selection of pattern recognition techniques, e.g. of classifiers in a multi-classifier system}	
N	G06F 18/29	2	{Graphical models, e.g. Bayesian networks}	
N	G06F 18/295	3	{Markov models or related models, e.g. semi-Markov models; Markov random fields; Networks embedding Markov models}	
N	G06F 18/30	1	Post-processing	
N	G06F 18/40	1	Software arrangements specially adapted for pattern recognition, e.g. user interfaces or toolboxes therefor	
N	G06F 18/41	2	{Interactive pattern learning with a human teacher}	
N	G06F 2123/00	0	Data types	
N	G06F 2123/02	1	in the time domain, e.g. time-series data	
N	G06F 2218/00	0	Aspects of pattern recognition specially adapted for signal processing	
N	G06F 2218/02	1	Preprocessing	
N	G06F 2218/04	2	Denoising	
N	G06F 2218/06	3	by applying a scale-space analysis, e.g. using wavelet analysis	
N	G06F 2218/08	1	Feature extraction	
N	G06F 2218/10	2	by analysing the shape of a waveform, e.g. extracting parameters relating to peaks	
N	G06F 2218/12	1	Classification; Matching	
N	G06F 2218/14	2	by matching peak patterns	
N	G06F 2218/16	2	by matching signal segments	

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N	G06F 2218/18	3	by plotting the signal segments against each other, e.g. analysing scattergrams	
N	G06F 2218/20	3	by applying autoregressive analysis	
N	G06F 2218/22	1	Source localisation; Inverse modelling	

**SUBCLASS G06K - GRAPHICAL DATA READING (image or video recognition or understanding G06V); PRESENTATION OF DATA; RECORD CARRIERS; HANDLING RECORD CARRIERS**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	G06K 9/00	0	Methods or arrangements for recognising patterns (methods or arrangements for graph-reading or for converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals G06K11/00; image or video recognition or understanding G06V; speech recognition G10L15/00)	<administrative transfer to G06F 18/00>
D	G06K 9/00496	1	{Recognising patterns in signals and combinations thereof (analysing specific medical signals, e.g. bioelectric signals, blood pressure A61B 5/00; analysis of chromatographic signals G01N 30/86; processing radar and similar signals G01S; processing seismic signals G01V 1/28, G01V 1/46; writer recognition, reading and verifying signatures G06V 40/30; acoustic speech processing G10L; transmission systems H04B 1/00)}	<administrative transfer to G06F 2218/00>
D	G06K 9/00503	2	{Preprocessing, e.g. filtering (electrical circuits for filtering H03H; adaptive filters H03H 21/00; convolution-based filters H03H 17/00, H03H 21/00)}	<administrative transfer to G06F 2218/02>
D	G06K 9/0051	3	{Denoising}	<administrative transfer to G06F 2218/04>
D	G06K 9/00516	4	{by applying a scale-space analysis, e.g. using wavelet analysis}	<administrative transfer to G06F 2218/06>
D	G06K 9/00523	2	{Feature extraction (arrangements for measuring frequencies and for spectral analysis G01R 23/16; algorithms for spectral analysis, digital electric mathematical transforms <u>per se</u> G06F 17/14)}	<administrative transfer to G06F 2218/08>
D	G06K 9/0053	3	{by analysing the shape of a waveform, e.g. extracting parameters relating to peaks}	<administrative transfer to G06F 2218/10>

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D	G06K 9/00536	2	{Classification; Matching (digital electric correlation G06F 17/15; electronic classification and matching <u>per se</u> G06K 9/62)}	<administrative transfer to G06F 2218/12>
D	G06K 9/00543	3	{by matching peak patterns}	<administrative transfer to G06F 2218/14>
D	G06K 9/0055	3	{by matching signal segments}	<administrative transfer to G06F 2218/16>
D	G06K 9/00557	4	{by plotting the signal segments against each other, e.g. analysing scattergrams}	<administrative transfer to G06F 2218/18>
D	G06K 9/00563	4	{by applying autoregressive analysis}	<administrative transfer to G06F 2218/20>
D	G06K 9/0057	2	{Source localisation; Inverse modelling (electroencephalography A61B 5/369; source separation G06K 9/624; image reconstruction from projection, e.g. tomography G06T 11/003; beamformers in general G10K 11/34; radio transmission systems for beamforming H04B 7/04)}	<administrative transfer to G06F 2218/22>
D	G06K 9/62	1	Methods or arrangements for pattern recognition using electronic means	<administrative transfer to G06F 18/00>
D	G06K 9/6201	2	{Matching; Proximity measures}	<administrative transfer to G06F 18/22>
D	G06K 9/6215	3	{Proximity measures, i.e. similarity or distance measures}	<administrative transfer to G06F 18/22>
D	G06K 9/6217	2	{Design or setup of recognition systems and techniques; Extraction of features in feature space; Clustering techniques; Blind source separation (regression analysis G06F 17/18)}	<administrative transfer to G06F 18/21>
D	G06K 9/6218	3	{Clustering techniques}	<administrative transfer to G06F 18/23>
D	G06K 9/6219	4	{Hierarchical techniques, i.e. dividing or merging pattern sets so as to obtain a dendogram}	<administrative transfer to G06F 18/231>
D	G06K 9/622	4	{Non-hierarchical partitioning techniques}	<administrative transfer to G06F 18/232>
D	G06K 9/6221	5	{based on statistics}	<administrative transfer to G06F 18/2321>
D	G06K 9/6222	6	{with an adaptive number of clusters, e.g. ISODATA technique}	<administrative transfer to G06F 18/23211>
D	G06K 9/6223	6	{with a fixed number of clusters, e.g. K-means clustering}	<administrative transfer to G06F 18/23213>
D	G06K 9/6224	5	{based on graph theory, e.g. Minimum Spanning Trees [MST], graph cuts, spectral clustering techniques (graph embedding G06K 9/6252; segmentation involving graph-based approaches for	<administrative transfer to G06F 18/2323>



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			general image processing G06T 7/162; segmentation of touching or overlapping patterns involving graph-based approaches G06V 10/267)}	
D	G06K 9/6226	5	{based on the modelling of probability density functions}	<administrative transfer to G06F 18/2321>
D	G06K 9/6227	3	{Selection of pattern recognition techniques, e.g. of classifiers in a multi-classifier system}	<administrative transfer to G06F 18/285>
D	G06K 9/6228	3	{Selecting the most significant subset of features (G06K 9/6232 takes precedence)}	<administrative transfer to G06F 18/211>
D	G06K 9/6229	4	{by using evolutionary computational techniques, e.g. genetic algorithms (genetic algorithms <u>per se</u> G06N 3/126)}	<administrative transfer to G06F 18/2111>
D	G06K 9/623	4	{by ranking or filtering the set of features, e.g. using a measure of variance or of feature cross-correlation}	<administrative transfer to G06F 18/2113>
D	G06K 9/6231	4	{by evaluating different subsets according to an optimisation criteria such as class separability, e.g. forward selection, backward elimination (linear discriminant analysis G06K 9/6234)}	<administrative transfer to G06F 18/2115>
D	G06K 9/6232	3	{Extracting features by transforming the feature space, e.g. multidimensional scaling; Mappings, e.g. subspace methods}	<administrative transfer to G06F 18/213>
D	G06K 9/6234	4	{based on a discrimination criterion, e.g. discriminant analysis (discriminant functions G06K 9/6227)}	<administrative transfer to G06F 18/2132>
D	G06K 9/6235	5	{Rendering the within-class scatter matrix non-singular}	<administrative transfer to G06F 18/21322>
D	G06K 2009/6236	6	{involving a first projection stage, e.g. Fisherface techniques}	<administrative transfer to G06F 18/21324>
D	G06K 2009/6237	6	{involving an optimisation, e.g. using regularisation techniques}	<administrative transfer to G06F 18/21326>
D	G06K 2009/6238	6	{involving a subspace restriction, e.g. nullspace techniques}	<administrative transfer to G06F 18/21328>
D	G06K 9/6239	4	{based on a naturality criterion, e.g. with non-negative factorisation or negative correlation (matrix computation G06F 17/16)}	<administrative transfer to G06F 18/2133>
D	G06K 9/624	4	{based on a separation criterion, e.g. independent component analysis}	<administrative transfer to G06F 18/2134>
D	G06K 9/6242	5	{of statistical independence, i.e. minimising mutual information or maximising non-gaussianity}	<administrative transfer to G06F 18/21342>
D	G06K 9/6243	5	{of decorrelation or non-stationarity, e.g. minimising lagged cross-correlations}	<administrative transfer to G06F 18/21343>

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D	G06K 9/6244	5	{enforcing sparsity or involving a domain transformation}	<administrative transfer to G06F 18/21345>
D	G06K 9/6245	6	{characterised by a domain transformation}	<administrative transfer to G06F 18/21347>
D	G06K 9/6246	5	{overcoming non-stationarity or permutations (using non-stationarity for separation G06K 9/6244)}	<administrative transfer to G06F 18/21348>
D	G06K 9/6247	4	{based on an approximation criterion, e.g. principal component analysis}	<administrative transfer to G06F 18/2135>
D	G06K 9/6248	5	{nonlinearly, e.g. embedding a manifold in a Euclidean space (principal curves G06K 9/6251)}	<administrative transfer to G06F 18/21355>
D	G06K 9/6249	4	{based on a sparsity criterion, e.g. with an overcomplete basis (specific for source separation G06K 9/6244; pictorial communication involving matching pursuit H04N 19/97)}	<administrative transfer to G06F 18/2136>
D	G06K 9/6251	4	{based on a criterion of topology preservation, e.g. multidimensional scaling, self-organising maps}	<administrative transfer to G06F 18/2137>
D	G06K 9/6252	5	{involving differential geometry, e.g. embedding of pattern manifold}	<administrative transfer to G06F 18/21375>
D	G06K 9/6253	3	{User interactive design (G06K 9/6263 takes precedence); Environments; Tool boxes}	<administrative transfer to G06F 18/40>
D	G06K 9/6254	4	{Interactive pattern learning with a human teacher}	<administrative transfer to G06F 18/41>
D	G06K 9/6255	3	{Determining representative reference patterns, e.g. averaging or distorting patterns; Generating dictionaries, e.g. user dictionaries}	<administrative transfer to G06F 18/28>
D	G06K 9/6256	3	{Obtaining sets of training patterns; Bootstrap methods, e.g. bagging, boosting}	<administrative transfer to G06F 18/214>
D	G06K 9/6257	4	{characterised by the organisation or the structure of the process, e.g. boosting cascade (feature selection by floating search G06K 9/6231)}	<administrative transfer to G06F 18/2148>
D	G06K 9/6259	4	{characterised by the incorporation of unlabelled data, e.g. multiple instance learning [MIL], semi-supervised techniques using expectation-maximisation [EM] or naïve labelling (EM techniques G06K 9/6226; validation with "oracles" G06K 9/6263)}	<administrative transfer to G06F 18/2155>
D	G06K 9/626	3	{Selecting classification rules}	<administrative transfer to G06F 18/24765>
D	G06K 9/6261	3	{partitioning the feature space}	<administrative transfer to G06F 18/2163>

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D	G06K 9/6262	3	{ Validation, performance evaluation or active pattern learning techniques }	<administrative transfer to G06F 18/217>
D	G06K 9/6263	4	{ based on the feedback of a supervisor (relevance feedback in information retrieval G06F 16/00) }	<administrative transfer to G06F 18/2178>
D	G06K 9/6264	5	{ the supervisor being an automated "intelligent" module, e.g. "intelligent oracle" }	<administrative transfer to G06F 18/2185>
D	G06K 9/6265	4	{ based on a specific statistical test }	<administrative transfer to G06F 18/2193>
D	G06K 9/6267	2	{ Classification techniques }	<administrative transfer to G06F 18/24>
D	G06K 9/6268	3	{ relating to the classification paradigm, e.g. parametric or non-parametric approaches }	<administrative transfer to G06F 18/241>
D	G06K 9/6269	4	{ based on the distance between the decision surface and training patterns lying on the boundary of the class cluster, e.g. support vector machines }	<administrative transfer to G06F 18/2411>
D	G06K 9/627	4	{ based on distances between the pattern to be recognised and training or reference patterns }	<administrative transfer to G06F 18/2413>
D	G06K 9/6271	5	{ based on distances to prototypes }	<administrative transfer to G06F 18/24133>
D	G06K 9/6272	6	{ based on distances to cluster centroids }	<administrative transfer to G06F 18/24137>
D	G06K 9/6273	7	{ Smoothing the distance, e.g. Radial Basis Function Networks }	<administrative transfer to G06F 18/2414>
D	G06K 9/6274	6	{ based on distances to neighbourhood prototypes, e.g. Restricted Coulomb Energy Networks }	<administrative transfer to G06F 18/24143>
D	G06K 9/6276	5	{ based on distances to closest patterns, e.g. nearest neighbour classification }	<administrative transfer to G06F 18/24147>
D	G06K 9/6277	4	{ based on a parametric (probabilistic) model, e.g. based on Neyman-Pearson lemma, likelihood ratio, receiver operating characteristic [ROC] curve plotting a false acceptance rate [FAR] versus a false reject rate [FRR] (segmentation involving probabilistic approaches for general image processing G06T 7/143; segmentation of touching or overlapping patterns involving probabilistic approaches G06V 10/26; image connectivity analysis involving probabilistic approaches, e.g. Markov Random Fields techniques, G06V 10/457) }	<administrative transfer to G06F 18/2415>
D	G06K 9/6278	5	{ Bayesian classification }	<administrative transfer to G06F 18/24155>

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D	G06K 9/6279	3	{relating to the number of classes}	<administrative transfer to G06F 18/243>
D	G06K 9/628	4	{Multiple classes}	<administrative transfer to G06F 18/2431>
D	G06K 9/6281	5	{Piecewise classification, i.e. whereby each classification requires several discriminant rules}	<administrative transfer to G06F 18/24317>
D	G06K 9/6282	6	{Tree-organised sequential classifiers}	<administrative transfer to G06F 18/24323>
D	G06K 9/6284	4	{Single class perspective, e.g. one-against-all classification; Novelty detection; Outlier detection}	<administrative transfer to G06F 18/2433>
D	G06K 9/6285	3	{relating to the decision surface}	<administrative transfer to G06F 18/245>
D	G06K 9/6286	4	{Linear, e.g. hyperplane}	<administrative transfer to G06F 18/2451>
D	G06K 9/6287	4	{Non-linear, e.g. polynomial classifier (G06K 9/6284 takes precedence; classifier with multiple radial basis functions G06K 9/6273)}	<administrative transfer to G06F 18/2453>
D	G06K 9/6288	2	{Fusion techniques, i.e. combining data from various sources, e.g. sensor fusion (data unmixing G06K 9/624; bootstrap techniques, e.g. boosting G06K 9/6256; image matching G06V 30/192; fusion of acoustic speaker inputs G10L 17/10)}	<administrative transfer to G06F 18/25>
D	G06K 9/6289	3	{of input or preprocessed data (imaging spectrometers G01J 3/2823; image fusion in general and biomedical image fusion G06T 5/50; processing and conversion of colour signals H04N 1/46)}	<administrative transfer to G06F 18/251>
D	G06K 9/629	3	{of extracted features}	<administrative transfer to G06F 18/253>
D	G06K 9/6292	3	{of classification results, e.g. of classification results related to same input data (G06K 9/6256 takes precedence)}	<administrative transfer to G06F 18/254>
D	G06K 9/6293	4	{of classification results relating to different input data, e.g. multimodal recognition}	<administrative transfer to G06F 18/256>
D	G06K 2009/6294	3	{belief theory, e.g. Dempster-Shafer}	<administrative transfer to G06F 18/257>
D	G06K 2009/6295	3	{fusion by voting}	<administrative transfer to G06F 18/259>
D	G06K 9/6296	2	{Graphical models, e.g. Bayesian networks (probabilistic networks <u>per se</u> G06N 7/005)}	<administrative transfer to G06F 18/29>
D	G06K 9/6297	3	{Markov models or related models, e.g. semi-Markov models; Markov random	<administrative transfer to G06F 18/295>

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			fields; networks embedding Markov models (segmentation involving probabilistic approaches for general image processing G06T 7/143; segmentation of touching or overlapping patterns involving probabilistic approaches G06V 10/26; image connectivity analysis involving probabilistic approaches, e.g. Markov Random Fields G06V 10/457; application of Markov models to acoustic speech recognition G10L 15/00)}	
D	G06K 9/6298	2	{Statistical pre-processing, e.g. techniques for normalisation or restoring missing data }	<administrative transfer to G06F 18/10>

\*N= new entries where reclassification into entries is involved; C= entries with modified file scope where reclassification of documents from the entries is involved; Q= new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M= entries with no change to the file scope (no reclassification); D= deleted entries; F= frozen entries will be deleted once reclassification of documents from the entries is completed; U= entries that are unchanged.

NOTES:

- \*\*No { curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The { curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.

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- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning notice(s)

**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING**

Type	Location	Old warning	New warning
N	G06F 18/00		Group G06F 18/00 is impacted by reclassification into groups G06F 18/20, G06F 18/26, G06F 18/27 and G06F 18/30. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 18/10		Group G06F 18/10 is impacted by reclassification into group G06F 18/15. Groups G06F 18/10 and G06F 18/15 should be considered in order to perform a complete search.
N	G06F 18/15		Group G06F 18/15 is incomplete pending reclassification of documents from group G06F 18/10. Groups G06F 18/10 and G06F 18/15 should be considered in order to perform a complete search.
N	G06F 18/20		Groups G06F 18/20, G06F 18/26 and G06F 18/27 are incomplete pending reclassification of documents from group G06F 18/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 18/213		Group G06F 18/213 is impacted by reclassification into group G06F 18/2131. Groups G06F 18/213 and G06F 18/2131 should be considered in order to perform a complete search.
N	G06F 18/2131		Group G06F 18/2131 is incomplete pending reclassification of documents from group G06F 18/213. Groups G06F 18/213 and G06F 18/2131 should be considered in order to perform a complete search.
N	G06F 18/232		Group G06F 18/232 is impacted by reclassification into groups G06F 18/2325 and G06F 18/2337. Groups G06F 18/232, G06F 18/2325 and G06F 18/2337 should be considered in order to perform a complete search.
N	G06F 18/2325		Group G06F 18/2325 is incomplete pending reclassification of documents from group G06F 18/232. Groups G06F 18/232 and G06F 18/2325 should be considered in order to perform a complete search.
N	G06F 18/2337		Group G06F 18/2337 is incomplete pending reclassification of documents from group G06F 18/232. Groups G06F 18/232 and G06F 18/2337 should be considered in order to perform a complete search.
N	G06F 18/30		Group G06F 18/30 is incomplete pending reclassification of documents from group G06F 18/00. Groups G06F 18/00 and G06F 18/30 should be considered in order to perform a complete search.

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**SUBCLASS G06K - GRAPHICAL DATA READING (image or video recognition or understanding G06V);  
PRESENTATION OF DATA; RECORD CARRIERS; HANDLING RECORD CARRIERS**

Type	Location	Old warning	New warning
D	G06K 9/00	Group G06K 9/00 is impacted by reclassification into groups G06V 10/00-G06V 10/98, G06V 20/00-G06V 20/90, G06V 30/00-G06V 30/424 and G06V 40/00-G06V 40/70. All groups listed in this Warning should be considered in order to perform a complete search.	Delete
D	G06K 9/62	Group G06K 9/62 is impacted by reclassification into groups G06V 10/70, G06V 10/766 and G06V 30/19. All groups listed in this Warning should be considered in order to perform a complete search.	Delete
D	G06K 9/6201	Group G06K 9/6201 is impacted by reclassification into groups G06V 10/75 and G06V 30/19007. Groups G06K 9/6201, G06V 10/75 and G06V 30/19007 should be considered in order to perform a complete search.	Delete
D	G06K 9/6215	Group G06K 9/6215 is impacted by reclassification into groups G06V 10/761 and G06V 30/19093. Groups G06K 9/6215, G06V 10/761 and G06V 30/19093 should be considered in order to perform a complete search.	Delete
D	G06K 9/6217	Group G06K 9/6217 is impacted by reclassification into groups G06V 10/70, G06V 10/766 and G06V 30/191. All groups listed in this Warning should be considered in order to perform a complete search.	Delete
D	G06K 9/6218	Group G06K 9/6218 is impacted by reclassification into groups G06V 10/762 and G06V 30/19107. Groups G06K 9/6218, G06V 10/762 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/6219	Group G06K 9/6219 is impacted by reclassification into groups G06V 10/7625 and G06V 30/19107. Groups G06K 9/6219, G06V 10/7625 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/622	Group G06K 9/622 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/622, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/6221	Group G06K 9/6221 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6221, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.	Delete



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D	G06K 9/6222	Group G06K 9/6222 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6222, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/6223	Group G06K 9/6223 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6223, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/6224	Group G06K 9/6224 is impacted by reclassification into groups G06V 10/7635 and G06V 30/19107. Groups G06K 9/6224, G06V 10/7635 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/6226	Group G06K 9/6226 is impacted by reclassification into groups G06V 10/763 and G06V 30/19107. Groups G06K 9/6226, G06V 10/763 and G06V 30/19107 should be considered in order to perform a complete search.	Delete
D	G06K 9/6227	Group G06K 9/6227 is impacted by reclassification into groups G06V 10/87 and G06V 30/19113. Groups G06K 9/6227, G06V 10/87 and G06V 30/19113 should be considered in order to perform a complete search.	Delete
D	G06K 9/6228	Group G06K 9/6228 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/6228, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.	Delete
D	G06K 9/6229	Group G06K 9/6229 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/6229, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.	Delete
D	G06K 9/623	Group G06K 9/623 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/623, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.	Delete
D	G06K 9/6231	Group G06K 9/6231 is impacted by reclassification into groups G06V 10/771 and G06V 30/1912. Groups G06K 9/6231, G06V 10/771 and G06V 30/1912 should be considered in order to perform a complete search.	Delete
D	G06K 9/6232	Group G06K 9/6232 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6232, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6234	Group G06K 9/6234 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127.	Delete

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		Groups G06K 9/6234, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	
D	G06K 9/6235	Group G06K 9/6235 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6235, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 2009/6236	Group G06K 2009/6236 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 2009/6236, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 2009/6237	Group G06K 2009/6237 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 2009/6237, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 2009/6238	Group G06K 2009/6238 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 2009/6238, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6239	Group G06K 9/6239 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6239, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/624	Group G06K 9/624 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/624, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6242	Group G06K 9/6242 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6242, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6243	Group G06K 9/6243 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6243, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6244	Group G06K 9/6244 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6244, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6245	Group G06K 9/6245 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6245, G06V 10/7715 and	Delete

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		G06V 30/19127 should be considered in order to perform a complete search.	
D	G06K 9/6246	Group G06K 9/6246 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6246, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6247	Group G06K 9/6247 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6247, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6248	Group G06K 9/6248 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6248, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6249	Group G06K 9/6249 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6249, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6251	Group G06K 9/6251 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6251, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6252	Group G06K 9/6252 is impacted by reclassification into groups G06V 10/7715 and G06V 30/19127. Groups G06K 9/6252, G06V 10/7715 and G06V 30/19127 should be considered in order to perform a complete search.	Delete
D	G06K 9/6253	Group G06K 9/6253 is impacted by reclassification into group G06V 10/945. Groups G06K 9/6253 and G06V 10/945 should be considered in order to perform a complete search.	Delete
D	G06K 9/6254	Group G06K 9/6254 is impacted by reclassification into groups G06V 10/7788 and G06V 30/19133. Groups G06K 9/6254, G06V 10/7788 and G06V 30/19133 should be considered in order to perform a complete search.	Delete
D	G06K 9/6255	Group G06K 9/6255 is impacted by reclassification into groups G06V 10/772 and G06V 30/1914. Groups G06K 9/6255, G06V 10/772 and G06V 30/1914 should be considered in order to perform a complete search.	Delete
D	G06K 9/6256	Group G06K 9/6256 is impacted by reclassification into groups G06V 10/774 and G06V 30/19147. Groups G06K 9/6256, G06V 10/774 and G06V 30/19147 should be considered in order to perform a complete search.	Delete

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D	G06K 9/6257	Group G06K 9/6257 is impacted by reclassification into groups G06V 10/7747 and G06V 30/19147. Groups G06K 9/6257, G06V 10/7747 and G06V 30/19147 should be considered in order to perform a complete search.	Delete
D	G06K 9/6259	Group G06K 9/6259 is impacted by reclassification into groups G06V 10/7753 and G06V 30/19147. Groups G06K 9/6259, G06V 10/7753 and G06V 30/19147 should be considered in order to perform a complete search.	Delete
D	G06K 9/626	Group G06K 9/626 is impacted by reclassification into groups G06V 10/765 and G06V 30/19153. Groups G06K 9/626, G06V 10/765 and G06V 30/19153 should be considered in order to perform a complete search.	Delete
D	G06K 9/6261	Group G06K 9/6261 is impacted by reclassification into groups G06V 10/765 and G06V 30/19153. Groups G06K 9/6261, G06V 10/765 and G06V 30/19153 should be considered in order to perform a complete search.	Delete
D	G06K 9/6262	Group G06K 9/6262 is impacted by reclassification into groups G06V 10/776, G06V 10/778, G06V 30/1916, G06V 30/19167 and G06V 30/302. All groups listed in this Warning should be considered in order to perform a complete search.	Delete
D	G06K 9/6263	Group G06K 9/6263 is impacted by reclassification into groups G06V 10/7784 and G06V 30/19167. Groups G06K 9/6263, G06V 10/7784 and G06V 30/19167 should be considered in order to perform a complete search.	Delete
D	G06K 9/6264	Group G06K 9/6264 is impacted by reclassification into groups G06V 10/7788 and G06V 30/19167. Groups G06K 9/6264, G06V 10/7788 and G06V 30/19167 should be considered in order to perform a complete search.	Delete
D	G06K 9/6265	Group G06K 9/6265 is impacted by reclassification into groups G06V 10/7796 and G06V 30/19167. Groups G06K 9/6265, G06V 10/7796 and G06V 30/19167 should be considered in order to perform a complete search.	Delete
D	G06K 9/6267	Group G06K 9/6267 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6267, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6268	Group G06K 9/6268 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6268, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6269	Group G06K 9/6269 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173.	Delete

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		Groups G06K 9/6269, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	
D	G06K 9/627	Group G06K 9/627 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/627, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6271	Group G06K 9/6271 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6271, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6272	Group G06K 9/6272 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6272, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6273	Group G06K 9/6273 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6273, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6274	Group G06K 9/6274 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6274, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6276	Group G06K 9/6276 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6276, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6277	Group G06K 9/6277 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6277, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6278	Group G06K 9/6278 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6278, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6279	Group G06K 9/6279 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6279, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/628	Group G06K 9/628 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/628, G06V 10/764 and	Delete

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		G06V 30/19173 should be considered in order to perform a complete search.	
D	G06K 9/6281	Group G06K 9/6281 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6281, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6282	Group G06K 9/6282 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6282, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6284	Group G06K 9/6284 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6284, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6285	Group G06K 9/6285 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6285, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6286	Group G06K 9/6286 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6286, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6287	Group G06K 9/6287 is impacted by reclassification into groups G06V 10/764 and G06V 30/19173. Groups G06K 9/6287, G06V 10/764 and G06V 30/19173 should be considered in order to perform a complete search.	Delete
D	G06K 9/6288	Group G06K 9/6288 is impacted by reclassification into groups G06V 10/80 and G06V 30/1918. Groups G06K 9/6288, G06V 10/80 and G06V 30/1918 should be considered in order to perform a complete search.	Delete
D	G06K 9/6289	Group G06K 9/6289 is impacted by reclassification into groups G06V 10/803 and G06V 30/1918. Groups G06K 9/6289, G06V 10/803 and G06V 30/1918 should be considered in order to perform a complete search.	Delete
D	G06K 9/629	Group G06K 9/629 is impacted by reclassification into groups G06V 10/806 and G06V 30/1918. Groups G06K 9/629, G06V 10/806 and G06V 30/1918 should be considered in order to perform a complete search.	Delete
D	G06K 9/6292	Group G06K 9/6292 is impacted by reclassification into groups G06V 10/809 and G06V 30/1918. Groups G06K 9/6292, G06V 10/809 and G06V 30/1918 should be considered in order to perform a complete search.	Delete

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D	G06K 9/6293	Group G06K 9/6293 is impacted by reclassification into groups G06V 10/811 and G06V 30/1918. Groups G06K 9/6293, G06V 10/811 and G06V 30/1918 should be considered in order to perform a complete search.	Delete
D	G06K 2009/6294	Group G06K 2009/6294 is impacted by reclassification into groups G06V 10/814 and G06V 30/1918. Groups G06K 2009/6294, G06V 10/814 and G06V 30/1918 should be considered in order to perform a complete search.	Delete
D	G06K 2009/6295	Group G06K 2009/6295 is impacted by reclassification into groups G06V 10/817 and G06V 30/1918. Groups G06K 2009/6295, G06V 10/817 and G06V 30/1918 should be considered in order to perform a complete search.	Delete
D	G06K 9/6296	Group G06K 9/6296 is impacted by reclassification into groups G06V 10/84 and G06V 30/19187. Groups G06K 9/6296, G06V 10/84 and G06V 30/19187 should be considered in order to perform a complete search.	Delete
D	G06K 9/6297	Group G06K 9/6297 is impacted by reclassification into groups G06V 10/85 and G06V 30/19187. Groups G06K 9/6297, G06V 10/85 and G06V 30/19187 should be considered in order to perform a complete search.	Delete
D	G06K 9/6298	Group G06K 9/6298 is impacted by reclassification into groups G06V 10/72 and G06V 30/19193. Groups G06K 9/6298, G06V 10/72 and G06V 30/19193 should be considered in order to perform a complete search.	Delete

\*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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D. New, Modified or Deleted Guidance Heading(s)

**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING**

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
N	G06F 2123/00 - G06F 2123/02		Indexing scheme associated with group G06F 18/00, relating to pattern recognition
N	G06F 2218/00 - G06F 2221/00		Indexing scheme associated with group G06F 18/00, relating to pattern recognition specially adapted for signal processing

\*N = new guidance heading, M = modified guidance heading, D = deleted guidance heading

NOTES:

- The "Location" column requires the symbol AFTER the guidance heading location. No further directions such as "before" or "after" are required.

In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the "Location" column. For example, the guidance heading "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen" encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the "Location" column as follows: 398/00 to be included



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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
G06K 9/00	Definition		<u>DELETE</u> entire definition
G06K 9/00496	Definition		<u>DELETE</u> entire definition

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
Q	G06F 18/00	G06F 18/00, G06F 18/20, G06F 18/26, G06F 18/27, G06F 18/30
Q	G06F 18/10	G06F 18/10, G06F 18/15
Q	G06F 18/213	G06F 18/213, G06F 18/2131
Q	G06F 18/232	G06F 18/232, G06F 18/2325, G06F 18/2337
D	G06K 9/00	<administrative transfer to G06F 18/00>
D	G06K 9/00496	<administrative transfer to G06F 2218/00>
D	G06K 9/00503	<administrative transfer to G06F 2218/02>
D	G06K 9/0051	<administrative transfer to G06F 2218/04>
D	G06K 9/00516	<administrative transfer to G06F 2218/06>
D	G06K 9/00523	<administrative transfer to G06F 2218/08>
D	G06K 9/0053	<administrative transfer to G06F 2218/10>
D	G06K 9/00536	<administrative transfer to G06F 2218/12>
D	G06K 9/00543	<administrative transfer to G06F 2218/14>
D	G06K 9/0055	<administrative transfer to G06F 2218/16>
D	G06K 9/00557	<administrative transfer to G06F 2218/18>
D	G06K 9/00563	<administrative transfer to G06F 2218/20>
D	G06K 9/0057	<administrative transfer to G06F 2218/22>
D	G06K 9/62	<administrative transfer to G06F 18/00>
D	G06K 9/6201	<administrative transfer to G06F 18/22>
D	G06K 9/6215	<administrative transfer to G06F 18/22>
D	G06K 9/6217	<administrative transfer to G06F 18/21>
D	G06K 9/6218	<administrative transfer to G06F 18/23>
D	G06K 9/6219	<administrative transfer to G06F 18/231>
D	G06K 9/622	<administrative transfer to G06F 18/232>
D	G06K 9/6221	<administrative transfer to G06F 18/2321>
D	G06K 9/6222	<administrative transfer to G06F 18/23211>
D	G06K 9/6223	<administrative transfer to G06F 18/23213>
D	G06K 9/6224	<administrative transfer to G06F 18/2323>
D	G06K 9/6226	<administrative transfer to G06F 18/2321>
D	G06K 9/6227	<administrative transfer to G06F 18/285>
D	G06K 9/6228	<administrative transfer to G06F 18/211>
D	G06K 9/6229	<administrative transfer to G06F 18/2111>
D	G06K 9/623	<administrative transfer to G06F 18/2113>
D	G06K 9/6231	<administrative transfer to G06F 18/2115>
D	G06K 9/6232	<administrative transfer to G06F 18/213>
D	G06K 9/6234	<administrative transfer to G06F 18/2132>
D	G06K 9/6235	<administrative transfer to G06F 18/21322>
D	G06K 2009/6236	<administrative transfer to G06F 18/21324>
D	G06K 2009/6237	<administrative transfer to G06F 18/21326>
D	G06K 2009/6238	<administrative transfer to G06F 18/21328>
D	G06K 9/6239	<administrative transfer to G06F 18/2133>
D	G06K 9/624	<administrative transfer to G06F 18/2134>
D	G06K 9/6242	<administrative transfer to G06F 18/21342>
D	G06K 9/6243	<administrative transfer to G06F 18/21343>
D	G06K 9/6244	<administrative transfer to G06F 18/21345>
D	G06K 9/6245	<administrative transfer to G06F 18/21347>
D	G06K 9/6246	<administrative transfer to G06F 18/21348>

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<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	G06K 9/6247	<administrative transfer to G06F 18/2135>
D	G06K 9/6248	<administrative transfer to G06F 18/2135>
D	G06K 9/6249	<administrative transfer to G06F 18/2136>
D	G06K 9/6251	<administrative transfer to G06F 18/2137>
D	G06K 9/6252	<administrative transfer to G06F 18/2137>
D	G06K 9/6253	<administrative transfer to G06F 18/40>
D	G06K 9/6254	<administrative transfer to G06F 18/41>
D	G06K 9/6255	<administrative transfer to G06F 18/28>
D	G06K 9/6256	<administrative transfer to G06F 18/214>
D	G06K 9/6257	<administrative transfer to G06F 18/2148>
D	G06K 9/6259	<administrative transfer to G06F 18/2155>
D	G06K 9/626	<administrative transfer to G06F 18/24765>
D	G06K 9/6261	<administrative transfer to G06F 18/2163>
D	G06K 9/6262	<administrative transfer to G06F 18/217>
D	G06K 9/6263	<administrative transfer to G06F 18/2178>
D	G06K 9/6264	<administrative transfer to G06F 18/2185>
D	G06K 9/6265	<administrative transfer to G06F 18/2193>
D	G06K 9/6267	<administrative transfer to G06F 18/24>
D	G06K 9/6268	<administrative transfer to G06F 18/241>
D	G06K 9/6269	<administrative transfer to G06F 18/2411>
D	G06K 9/627	<administrative transfer to G06F 18/2413>
D	G06K 9/6271	<administrative transfer to G06F 18/24133>
D	G06K 9/6272	<administrative transfer to G06F 18/24137>
D	G06K 9/6273	<administrative transfer to G06F 18/2414>
D	G06K 9/6274	<administrative transfer to G06F 18/24143>
D	G06K 9/6276	<administrative transfer to G06F 18/24147>
D	G06K 9/6277	<administrative transfer to G06F 18/2415>
D	G06K 9/6278	<administrative transfer to G06F 18/24155>
D	G06K 9/6279	<administrative transfer to G06F 18/243>
D	G06K 9/628	<administrative transfer to G06F 18/2431>
D	G06K 9/6281	<administrative transfer to G06F 18/24317>
D	G06K 9/6282	<administrative transfer to G06F 18/24323>
D	G06K 9/6284	<administrative transfer to G06F 18/2433>
D	G06K 9/6285	<administrative transfer to G06F 18/245>
D	G06K 9/6286	<administrative transfer to G06F 18/2451>
D	G06K 9/6287	<administrative transfer to G06F 18/2453>
D	G06K 9/6288	<administrative transfer to G06F 18/25>
D	G06K 9/6289	<administrative transfer to G06F 18/251>
D	G06K 9/629	<administrative transfer to G06F 18/253>
D	G06K 9/6292	<administrative transfer to G06F 18/254>
D	G06K 9/6293	<administrative transfer to G06F 18/256>
D	G06K 2009/6294	<administrative transfer to G06F 18/257>
D	G06K 2009/6295	<administrative transfer to G06F 18/259>
D	G06K 9/6296	<administrative transfer to G06F 18/29>
D	G06K 9/6297	<administrative transfer to G06F 18/295>
D	G06K 9/6298	<administrative transfer to G06F 18/10>

\* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents

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into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 18/00	G06F 18/00	NEW
G06F 18/10	G06F 18/10	NEW
G06F 18/15	G06F 18/15	NEW
G06F 18/20	G06F 18/20	NEW
G06F 18/21	G06F 18/21	NEW
G06F 18/211	G06F 18/211	NEW
G06F 18/2111	G06F 18/2111	NEW
G06F 18/2113	G06F 18/2113	NEW
G06F 18/2115	G06F 18/2115	NEW
G06F 18/213	G06F 18/213	NEW
G06F 18/2131	G06F 18/2131	NEW
G06F 18/2132	G06F 18/2132	NEW
G06F 18/21322	G06F 18/2132	NEW
G06F 18/21324	G06F 18/2132	NEW
G06F 18/21326	G06F 18/2132	NEW
G06F 18/21328	G06F 18/2132	NEW
G06F 18/2133	G06F 18/2133	NEW
G06F 18/2134	G06F 18/2134	NEW
G06F 18/21342	G06F 18/2134	NEW
G06F 18/21343	G06F 18/2134	NEW
G06F 18/21345	G06F 18/2134	NEW
G06F 18/21347	G06F 18/2134	NEW
G06F 18/21348	G06F 18/2134	NEW
G06F 18/2135	G06F 18/2135	NEW
G06F 18/21355	G06F 18/2135	NEW
G06F 18/2136	G06F 18/2136	NEW
G06F 18/2137	G06F 18/2137	NEW
G06F 18/21375	G06F 18/2137	NEW
G06F 18/214	G06F 18/214	NEW
G06F 18/2148	G06F 18/214	NEW
G06F 18/2155	G06F 18/214	NEW
G06F 18/2163	G06F 18/21	NEW
G06F 18/217	G06F 18/21	NEW
G06F 18/2178	G06F 18/21	NEW
G06F 18/2185	G06F 18/21	NEW
G06F 18/2193	G06F 18/21	NEW
G06F 18/22	G06F 18/22	NEW
G06F 18/23	G06F 18/23	NEW
G06F 18/231	G06F 18/231	NEW
G06F 18/232	G06F 18/232	NEW
G06F 18/2321	G06F 18/2321	NEW

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<b><u>CPC</u></b>	<b><u>IPC</u></b>	<b><u>Action*</u></b>
G06F 18/23211	G06F 18/23211	NEW
G06F 18/23213	G06F 18/23213	NEW
G06F 18/2323	G06F 18/2323	NEW
G06F 18/2325	G06F 18/2325	NEW
G06F 18/2337	G06F 18/2337	NEW
G06F 18/24	G06F 18/24	NEW
G06F 18/241	G06F 18/241	NEW
G06F 18/2411	G06F 18/2411	NEW
G06F 18/2413	G06F 18/2413	NEW
G06F 18/24133	G06F 18/2413	NEW
G06F 18/24137	G06F 18/2413	NEW
G06F 18/2414	G06F 18/2413	NEW
G06F 18/24143	G06F 18/2413	NEW
G06F 18/24147	G06F 18/2413	NEW
G06F 18/2415	G06F 18/2415	NEW
G06F 18/24155	G06F 18/2415	NEW
G06F 18/243	G06F 18/243	NEW
G06F 18/2431	G06F 18/2431	NEW
G06F 18/24317	G06F 18/243	NEW
G06F 18/24323	G06F 18/243	NEW
G06F 18/2433	G06F 18/2433	NEW
G06F 18/245	G06F 18/245	NEW
G06F 18/2451	G06F 18/2451	NEW
G06F 18/2453	G06F 18/2453	NEW
G06F 18/24765	G06F 18/24	NEW
G06F 18/25	G06F 18/25	NEW
G06F 18/251	G06F 18/25	NEW
G06F 18/253	G06F 18/25	NEW
G06F 18/254	G06F 18/25	NEW
G06F 18/256	G06F 18/25	NEW
G06F 18/257	G06F 18/25	NEW
G06F 18/259	G06F 18/25	NEW
G06F 18/26	G06F 18/26	NEW
G06F 18/27	G06F 18/27	NEW
G06F 18/28	G06F 18/28	NEW
G06F 18/285	G06F 18/20	NEW
G06F 18/29	G06F 18/20	NEW
G06F 18/295	G06F 18/20	NEW
G06F 18/30	G06F 18/30	NEW
G06F 18/40	G06F 18/40	NEW
G06F 18/41	G06F 18/40	NEW
G06F 2123/00	G06F 123/00	NEW
G06F 2123/02	G06F 123/02	NEW
G06F 2218/00	CPCONLY	NEW
G06F 2218/02	CPCONLY	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 2218/04	CPCONLY	NEW
G06F 2218/06	CPCONLY	NEW
G06F 2218/08	CPCONLY	NEW
G06F 2218/10	CPCONLY	NEW
G06F 2218/12	CPCONLY	NEW
G06F 2218/14	CPCONLY	NEW
G06F 2218/16	CPCONLY	NEW
G06F 2218/18	CPCONLY	NEW
G06F 2218/20	CPCONLY	NEW
G06F 2218/22	CPCONLY	NEW
G06K 9/00		DELETE
G06K 9/00496		DELETE
G06K 9/00503		DELETE
G06K 9/0051		DELETE
G06K 9/00516		DELETE
G06K 9/00523		DELETE
G06K 9/0053		DELETE
G06K 9/00536		DELETE
G06K 9/00543		DELETE
G06K 9/0055		DELETE
G06K 9/00557		DELETE
G06K 9/00563		DELETE
G06K 9/0057		DELETE
G06K 9/62		DELETE
G06K 9/6201		DELETE
G06K 9/6215		DELETE
G06K 9/6217		DELETE
G06K 9/6218		DELETE
G06K 9/6219		DELETE
G06K 9/622		DELETE
G06K 9/6221		DELETE
G06K 9/6222		DELETE
G06K 9/6223		DELETE
G06K 9/6224		DELETE
G06K 9/6226		DELETE
G06K 9/6227		DELETE
G06K 9/6228		DELETE
G06K 9/6229		DELETE
G06K 9/623		DELETE
G06K 9/6231		DELETE
G06K 9/6232		DELETE
G06K 9/6234		DELETE
G06K 9/6235		DELETE
G06K 2009/6236		DELETE
G06K 2009/6237		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06K 2009/6238		DELETE
G06K 9/6239		DELETE
G06K 9/624		DELETE
G06K 9/6242		DELETE
G06K 9/6243		DELETE
G06K 9/6244		DELETE
G06K 9/6245		DELETE
G06K 9/6246		DELETE
G06K 9/6247		DELETE
G06K 9/6248		DELETE
G06K 9/6249		DELETE
G06K 9/6251		DELETE
G06K 9/6252		DELETE
G06K 9/6253		DELETE
G06K 9/6254		DELETE
G06K 9/6255		DELETE
G06K 9/6256		DELETE
G06K 9/6257		DELETE
G06K 9/6259		DELETE
G06K 9/626		DELETE
G06K 9/6261		DELETE
G06K 9/6262		DELETE
G06K 9/6263		DELETE
G06K 9/6264		DELETE
G06K 9/6265		DELETE
G06K 9/6267		DELETE
G06K 9/6268		DELETE
G06K 9/6269		DELETE
G06K 9/627		DELETE
G06K 9/6271		DELETE
G06K 9/6272		DELETE
G06K 9/6273		DELETE
G06K 9/6274		DELETE
G06K 9/6276		DELETE
G06K 9/6277		DELETE
G06K 9/6278		DELETE
G06K 9/6279		DELETE
G06K 9/628		DELETE
G06K 9/6281		DELETE
G06K 9/6282		DELETE
G06K 9/6284		DELETE
G06K 9/6285		DELETE
G06K 9/6286		DELETE
G06K 9/6287		DELETE
G06K 9/6288		DELETE



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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06K 9/6289		DELETE
G06K 9/629		DELETE
G06K 9/6292		DELETE
G06K 9/6293		DELETE
G06K 2009/6294		DELETE
G06K 2009/6295		DELETE
G06K 9/6296		DELETE
G06K 9/6297		DELETE
G06K 9/6298		DELETE

\*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
A 61B5/117	G06K9/00	G06F 18/00, G06V 40/00
A 61B5/72	G06K9/00	<u>Replace current reference:</u>  pattern recognition G06K 9/00  <u>with the following two references:</u>  character recognition, recognising digital ink, document-oriented image-based pattern recognition G06V 30/00; recognition or understanding of postal images G06V 30/424
B07C3/10	G06K9/00	G06V 30/00
E05B49/00	G06K9/00	Delete symbol from reference
G06K7/00	G06K9/00	<u>Replace current references:</u>  G06K 9/00 takes precedence; methods or arrangements for marking the record carrier in digital fashion G06K 1/00  <u>with the following references:</u>  methods or arrangements for marking the record carrier in digital fashion G06K 1/00; pattern recognition G06F 18/00; arrangements for image or video recognition or understanding G06V 10/00; character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00
G06K11/00	G06K9/00	<u>Replace current reference:</u>  combined with character or pattern recognition G06K 9/00  <u>with the following references:</u>  combined with pattern recognition G06F 18/00; arrangements for image or video recognition or understanding G06V 10/00; character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06K19/0718	G06K9/00	<u>Replace current reference:</u> fingerprint sensors in general, see G06K 9/00  <u>with the following reference:</u> fingerprint sensors in general G06V 40/13
G06V 10/00 WARNING	G06K 9/00	G06F 18/00
G06V 10/10 WARNING	G06K 9/00	G06F 18/00
G06V 10/12 WARNING	G06K 9/00	G06F 18/00
G06V 10/14 WARNING	G06K 9/00	G06F 18/00
G06V 10/141 WARNING	G06K 9/00	G06F 18/00
G06V 10/143 WARNING	G06K 9/00	G06F 18/00
G06V 10/145 WARNING	G06K 9/00	G06F 18/00
G06V 10/147 WARNING	G06K 9/00	G06F 18/00
G06V 10/16 WARNING	G06K 9/00	G06F 18/00
G06V 10/17 WARNING	G06K 9/00	G06F 18/00
G06V 10/19 WARNING	G06K 9/00	G06F 18/00
G06V 10/20 WARNING	G06K 9/00	G06F 18/00
G06V 10/22 WARNING	G06K 9/00	G06F 18/00
G06V 10/225 WARNING	G06K 9/00	G06F 18/00
G06V 10/23 WARNING	G06K 9/00	G06F 18/00
G06V 10/235 WARNING	G06K 9/00	G06F 18/00
G06V 10/24 WARNING	G06K 9/00	G06F 18/00
G06V 10/242 WARNING	G06K 9/00	G06F 18/00
G06V 10/243 WARNING	G06K 9/00	G06F 18/00
G06V 10/245 WARNING	G06K 9/00	G06F 18/00
G06V 10/247 WARNING	G06K 9/00	G06F 18/00
G06V 10/248 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 10/25 WARNING	G06K 9/00	G06F 18/00
G06V 10/255 WARNING	G06K 9/00	G06F 18/00
G06V 10/26 WARNING	G06K 9/00	G06F 18/00
G06V 10/267 WARNING	G06K 9/00	G06F 18/00
G06V 10/273 WARNING	G06K 9/00	G06F 18/00
G06V 10/28 WARNING	G06K 9/00	G06F 18/00
G06V 10/30 WARNING	G06K 9/00	G06F 18/00
G06V 10/32 WARNING	G06K 9/00	G06F 18/00
G06V 10/34 WARNING	G06K 9/00	G06F 18/00
G06V 10/36 WARNING	G06K 9/00	G06F 18/00
G06V 10/40 WARNING	G06K 9/00	G06F 18/00
G06V 10/42 WARNING	G06K 9/00	G06F 18/00
G06V 10/421 WARNING	G06K 9/00	G06F 18/00
G06V 10/422 WARNING	G06K 9/00	G06F 18/00
G06V 10/424 WARNING	G06K 9/00	G06F 18/00
G06V 10/426 WARNING	G06K 9/00	G06F 18/00
G06V 10/431 WARNING	G06K 9/00	G06F 18/00
G06V 10/435 WARNING	G06K 9/00	G06F 18/00
G06V 10/44 WARNING	G06K 9/00	G06F 18/00
G06V 10/443 WARNING	G06K 9/00	G06F 18/00
G06V 10/446 WARNING	G06K 9/00	G06F 18/00
G06V 10/449 WARNING	G06K 9/00	G06F 18/00
G06V 10/451 WARNING	G06K 9/00	G06F 18/00
G06V 10/454 WARNING	G06K 9/00	G06F 18/00
G06V 10/457 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 10/46 WARNING	G06K 9/00	G06F 18/00
G06V 10/462 WARNING	G06K 9/00	G06F 18/00
G06V 10/464 WARNING	G06K 9/00	G06F 18/00
G06V 10/467 WARNING	G06K 9/00	G06F 18/00
G06V 10/469 WARNING	G06K 9/00	G06F 18/00
G06V 10/471 WARNING	G06K 9/00	G06F 18/00
G06V 10/473 WARNING	G06K 9/00	G06F 18/00
G06V 10/476 WARNING	G06K 9/00	G06F 18/00
G06V 10/478 WARNING	G06K 9/00	G06F 18/00
G06V 10/48 WARNING	G06K 9/00	G06F 18/00
G06V 10/50 WARNING	G06K 9/00	G06F 18/00
G06V 10/507 WARNING	G06K 9/00	G06F 18/00
G06V 10/513 WARNING	G06K 9/00	G06F 18/00
G06V 10/52 WARNING	G06K 9/00	G06F 18/00
G06V 10/56 WARNING	G06K 9/00	G06F 18/00
G06V 10/58 WARNING	G06K 9/00	G06F 18/00
G06V 10/60 WARNING	G06K 9/00	G06F 18/00
G06V 10/62 WARNING	G06K 9/00	G06F 18/00
G06V 10/70 WARNING	G06K 9/00	G06F 18/00
G06V 10/70 WARNING	G06K 9/62	G06F 18/00
G06V 10/70 WARNING	G06K 9/6217	G06F 18/21
G06V 10/72 WARNING	G06K 9/00	G06F 18/00
G06V 10/72 WARNING	G06K 9/6298	G06F 18/10
G06V 10/75 WARNING	G06K 9/00	G06F 18/00
G06V 10/75 WARNING	G06K 9/6201	G06F 18/22

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 10/751 WARNING	G06K 9/00	G06F 18/00
G06V 10/7515 WARNING	G06K 9/00	G06F 18/00
G06V 10/752 WARNING	G06K 9/00	G06F 18/00
G06V 10/753 WARNING	G06K 9/00	G06F 18/00
G06V 10/754 WARNING	G06K 9/00	G06F 18/00
G06V 10/755 WARNING	G06K 9/00	G06F 18/00
G06V 10/7553 WARNING	G06K 9/00	G06F 18/00
G06V 10/7557 WARNING	G06K 9/00	G06F 18/00
G06V 10/757 WARNING	G06K 9/00	G06F 18/00
G06V 10/758 WARNING	G06K 9/00	G06F 18/00
G06V 10/759 WARNING	G06K 9/00	G06F 18/00
G06V 10/76 WARNING	G06K 9/00	G06F 18/00
G06V 10/761 WARNING	G06K 9/00	G06F 18/00
G06V 10/761 WARNING	G06K 9/6215	G06F 18/22
G06V 10/762 WARNING	G06K 9/00	G06F 18/00
G06V 10/762 WARNING	G06K 9/6218	G06F 18/23
G06V 10/7625 WARNING	G06K 9/00	G06F 18/00
G06V 10/7625 WARNING	G06K 9/6219	G06F 18/231
G06V 10/763 WARNING	G06K 9/00	G06F 18/00
G06V 10/763 WARNING	G06K 9/622	G06F 18/232
G06V 10/763 WARNING	G06K 9/6221	G06F 18/2321
G06V 10/763 WARNING	G06K 9/6222	G06F 18/23211
G06V 10/763 WARNING	G06K 9/6223	G06F 18/23213
G06V 10/763 WARNING	G06K 9/6226	G06F 18/2321
G06V 10/7635 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 10/7635 WARNING	G06K 9/6224	G06F 18/2323
G06V 10/764 WARNING	G06K 9/00	G06F 18/00
G06V 10/764 WARNING	G06K 9/6267	G06F 18/24
G06V 10/764 WARNING	G06K 9/6268	G06F 18/241
G06V 10/764 WARNING	G06K 9/6269	G06F 18/2411
G06V 10/764 WARNING	G06K 9/627	G06F 18/2413
G06V 10/764 WARNING	G06K 9/6271	G06F 18/24133
G06V 10/764 WARNING	G06K 9/6272	G06F 18/24137
G06V 10/764 WARNING	G06K 9/6273	G06F 18/2414
G06V 10/764 WARNING	G06K 9/6274	G06F 18/24143
G06V 10/764 WARNING	G06K 9/6276	G06F 18/24147
G06V 10/764 WARNING	G06K 9/6277	G06F 18/2415
G06V 10/764 WARNING	G06K 9/6278	G06F 18/24155
G06V 10/764 WARNING	G06K 9/6279	G06F 18/243
G06V 10/764 WARNING	G06K 9/628	G06F 18/2431
G06V 10/764 WARNING	G06K 9/6281	G06F 18/24317
G06V 10/764 WARNING	G06K 9/6282	G06F 18/24323
G06V 10/764 WARNING	G06K 9/6284	G06F 18/2433
G06V 10/764 WARNING	G06K 9/6285	G06F 18/245
G06V 10/764 WARNING	G06K 9/6286	G06F 18/2451
G06V 10/764 WARNING	G06K 9/6287	G06F 18/2453
G06V 10/765 WARNING	G06K 9/00	G06F 18/00
G06V 10/765 WARNING	G06K 9/626	G06F 18/24765
G06V 10/765 WARNING	G06K 9/6261	G06F 18/2163
G06V 10/768 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 10/771 WARNING	G06K 9/00	G06F 18/00
G06V 10/771 WARNING	G06K 9/6228	G06F 18/211
G06V 10/771 WARNING	G06K 9/6229	G06F 18/2111
G06V 10/771 WARNING	G06K 9/623	G06F 18/2113
G06V 10/771 WARNING	G06K 9/6231	G06F 18/2115
G06V 10/7715 WARNING	G06K 9/00	G06F 18/00
G06V 10/7715 WARNING	G06K 9/6232	G06F 18/213
G06V 10/7715 WARNING	G06K 9/6234	G06F 18/2132
G06V 10/7715 WARNING	G06K 9/6235	G06F 18/21322
G06V 10/7715 WARNING	G06K 2009/6236	G06F 18/21324
G06V 10/7715 WARNING	G06K 2009/6237	G06F 18/21326
G06V 10/7715 WARNING	G06K 2009/6238	G06F 18/21328
G06V 10/7715 WARNING	G06K 9/6239	G06F 18/2133
G06V 10/7715 WARNING	G06K 9/624	G06F 18/2134
G06V 10/7715 WARNING	G06K 9/6242	G06F 18/21342
G06V 10/7715 WARNING	G06K 9/6243	G06F 18/21343
G06V 10/7715 WARNING	G06K 9/6244	G06F 18/21345
G06V 10/7715 WARNING	G06K 9/6245	G06F 18/21347
G06V 10/7715 WARNING	G06K 9/6246	G06F 18/21348
G06V 10/7715 WARNING	G06K 9/6247	G06F 18/2135
G06V 10/7715 WARNING	G06K 9/6248	G06F 18/21355
G06V 10/7715 WARNING	G06K 9/6249	G06F 18/2136
G06V 10/7715 WARNING	G06K 9/6251	G06F 18/2137
G06V 10/7715 WARNING	G06K 9/6252	G06F 18/21375
G06V 10/772 WARNING	G06K 9/00	G06F 18/00



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G06V 10/772 WARNING	G06K 9/6255	G06F 18/28
G06V 10/774 WARNING	G06K 9/00	G06F 18/00
G06V 10/774 WARNING	G06K 9/6256	G06F 18/214
G06V 10/7747 WARNING	G06K 9/00	G06F 18/00
G06V 10/7747 WARNING	G06K 9/6257	G06F 18/2148
G06V 10/7753 WARNING	G06K 9/00	G06F 18/00
G06V 10/7753 WARNING	G06K 9/6259	G06F 18/2155
G06V 10/776 WARNING	G06K 9/00	G06F 18/00
G06V 10/776 WARNING	G06K 9/6262	G06F 18/217
G06V 10/778 WARNING	G06K 9/00	G06F 18/00
G06V 10/778 WARNING	G06K 9/6262	G06F 18/217
G06V 10/7784 WARNING	G06K 9/00	G06F 18/00
G06V 10/7784 WARNING	G06K 9/6263	G06F 18/2178
G06V 10/7788 WARNING	G06K 9/00	G06F 18/00
G06V 10/7788 WARNING	G06K 9/6254	G06F 18/41
G06V 10/7788 WARNING	G06K 9/6264	G06F 18/2185
G06V 10/7796 WARNING	G06K 9/00	G06F 18/00
G06V 10/7796 WARNING	G06K 9/6265	G06F 18/2193
G06V 10/80 WARNING	G06K 9/00	G06F 18/00
G06V 10/80 WARNING	G06K 9/6288	G06F 18/25
G06V 10/803 WARNING	G06K 9/00	G06F 18/00
G06V 10/803 WARNING	G06K 9/6289	G06F 18/251
G06V 10/806 WARNING	G06K 9/00	G06F 18/00
G06V 10/806 WARNING	G06K 9/629	G06F 18/253
G06V 10/809 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 10/809 WARNING	G06K 9/6292	G06F 18/254
G06V 10/811 WARNING	G06K 9/00	G06F 18/00
G06V 10/811 WARNING	G06K 9/6293	G06F 18/256
G06V 10/814 WARNING	G06K 9/00	G06F 18/00
G06V 10/814 WARNING	G06K 2009/6294	G06F 18/257
G06V 10/817 WARNING	G06K 9/00	G06F 18/00
G06V 10/817 WARNING	G06K 2009/6295	G06F 18/259
G06V 10/84 WARNING	G06K 9/00	G06F 18/00
G06V 10/84 WARNING	G06K 9/6296	G06F 18/29
G06V 10/85 WARNING	G06K 9/00	G06F 18/00
G06V 10/85 WARNING	G06K 9/6297	G06F 18/295
G06V 10/87 WARNING	G06K 9/00	G06F 18/00
G06V 10/87 WARNING	G06K 9/6227	G06F 18/285
G06V 10/88 WARNING	G06K 9/00	G06F 18/00
G06V 10/89 WARNING	G06K 9/00	G06F 18/00
G06V 10/893 WARNING	G06K 9/00	G06F 18/00
G06V 10/895 WARNING	G06K 9/00	G06F 18/00
G06V 10/898 WARNING	G06K 9/00	G06F 18/00
G06V 10/92 WARNING	G06K 9/00	G06F 18/00
G06V 10/94 WARNING	G06K 9/00	G06F 18/00
G06V 10/945 WARNING	G06K 9/00	G06F 18/00
G06V 10/945 WARNING	G06K 9/6253	G06F 18/40
G06V 10/96 WARNING	G06K 9/00	G06F 18/00
G06V 10/98 WARNING	G06K 9/00	G06F 18/00
G06V 20/00 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 20/05 WARNING	G06K 9/00	G06F 18/00
G06V 20/10 WARNING	G06K 9/00	G06F 18/00
G06V 20/13 WARNING	G06K 9/00	G06F 18/00
G06V 20/17 WARNING	G06K 9/00	G06F 18/00
G06V 20/20 WARNING	G06K 9/00	G06F 18/00
G06V 20/30 WARNING	G06K 9/00	G06F 18/00
G06V 20/35 WARNING	G06K 9/00	G06F 18/00
G06V 20/40 WARNING	G06K 9/00	G06F 18/00
G06V 20/50 WARNING	G06K 9/00	G06F 18/00
G06V 20/52 WARNING	G06K 9/00	G06F 18/00
G06V 20/56 WARNING	G06K 9/00	G06F 18/00
G06V 20/59 WARNING	G06K 9/00	G06F 18/00
G06V 20/60 WARNING	G06K 9/00	G06F 18/00
G06V 20/62 WARNING	G06K 9/00	G06F 18/00
G06V 20/64 WARNING	G06K 9/00	G06F 18/00
G06V 20/68 WARNING	G06K 9/00	G06F 18/00
G06V 20/70 WARNING	G06K 9/00	G06F 18/00
G06V 20/80 WARNING	G06K 9/00	G06F 18/00
G06V 20/90 WARNING	G06K 9/00	G06F 18/00
G06V 30/00 WARNING	G06K 9/00	G06F 18/00
G06V 30/10 WARNING	G06K 9/00	G06F 18/00
G06V 30/12 WARNING	G06K 9/00	G06F 18/00
G06V 30/127 WARNING	G06K 9/00	G06F 18/00
G06V 30/133 WARNING	G06K 9/00	G06F 18/00
G06V 30/14 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/141 WARNING	G06K 9/00	G06F 18/00
G06V 30/142 WARNING	G06K 9/00	G06F 18/00
G06V 30/1426 WARNING	G06K 9/00	G06F 18/00
G06V 30/1429 WARNING	G06K 9/00	G06F 18/00
G06V 30/1431 WARNING	G06K 9/00	G06F 18/00
G06V 30/1434 WARNING	G06K 9/00	G06F 18/00
G06V 30/1437 WARNING	G06K 9/00	G06F 18/00
G06V 30/1444 WARNING	G06K 9/00	G06F 18/00
G06V 30/1448 WARNING	G06K 9/00	G06F 18/00
G06V 30/1452 WARNING	G06K 9/00	G06F 18/00
G06V 30/1456 WARNING	G06K 9/00	G06F 18/00
G06V 30/146 WARNING	G06K 9/00	G06F 18/00
G06V 30/1463 WARNING	G06K 9/00	G06F 18/00
G06V 30/1465 WARNING	G06K 9/00	G06F 18/00
G06V 30/147 WARNING	G06K 9/00	G06F 18/00
G06V 30/1473 WARNING	G06K 9/00	G06F 18/00
G06V 30/1475 WARNING	G06K 9/00	G06F 18/00
G06V 30/1478 WARNING	G06K 9/00	G06F 18/00
G06V 30/148 WARNING	G06K 9/00	G06F 18/00
G06V 30/15 WARNING	G06K 9/00	G06F 18/00
G06V 30/155 WARNING	G06K 9/00	G06F 18/00
G06V 30/16 WARNING	G06K 9/00	G06F 18/00
G06V 30/1607 WARNING	G06K 9/00	G06F 18/00
G06V 30/1613 WARNING	G06K 9/00	G06F 18/00
G06V 30/162 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/164 WARNING	G06K 9/00	G06F 18/00
G06V 30/166 WARNING	G06K 9/00	G06F 18/00
G06V 30/168 WARNING	G06K 9/00	G06F 18/00
G06V 30/18 WARNING	G06K 9/00	G06F 18/00
G06V 30/1801 WARNING	G06K 9/00	G06F 18/00
G06V 30/18019 WARNING	G06K 9/00	G06F 18/00
G06V 30/18029 WARNING	G06K 9/00	G06F 18/00
G06V 30/18038 WARNING	G06K 9/00	G06F 18/00
G06V 30/18048 WARNING	G06K 9/00	G06F 18/00
G06V 30/18057 WARNING	G06K 9/00	G06F 18/00
G06V 30/18067 WARNING	G06K 9/00	G06F 18/00
G06V 30/18076 WARNING	G06K 9/00	G06F 18/00
G06V 30/18086 WARNING	G06K 9/00	G06F 18/00
G06V 30/18095 WARNING	G06K 9/00	G06F 18/00
G06V 30/18105 WARNING	G06K 9/00	G06F 18/00
G06V 30/18114 WARNING	G06K 9/00	G06F 18/00
G06V 30/18124 WARNING	G06K 9/00	G06F 18/00
G06V 30/18133 WARNING	G06K 9/00	G06F 18/00
G06V 30/18143 WARNING	G06K 9/00	G06F 18/00
G06V 30/18152 WARNING	G06K 9/00	G06F 18/00
G06V 30/18162 WARNING	G06K 9/00	G06F 18/00
G06V 30/18171 WARNING	G06K 9/00	G06F 18/00
G06V 30/18181 WARNING	G06K 9/00	G06F 18/00
G06V 30/1819 WARNING	G06K 9/00	G06F 18/00
G06V 30/182 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/1823 WARNING	G06K 9/00	G06F 18/00
G06V 30/1826 WARNING	G06K 9/00	G06F 18/00
G06V 30/1829 WARNING	G06K 9/00	G06F 18/00
G06V 30/1831 WARNING	G06K 9/00	G06F 18/00
G06V 30/1834 WARNING	G06K 9/00	G06F 18/00
G06V 30/1837 WARNING	G06K 9/00	G06F 18/00
G06V 30/184 WARNING	G06K 9/00	G06F 18/00
G06V 30/186 WARNING	G06K 9/00	G06F 18/00
G06V 30/187 WARNING	G06K 9/00	G06F 18/00
G06V 30/188 WARNING	G06K 9/00	G06F 18/00
G06V 30/189 WARNING	G06K 9/00	G06F 18/00
G06V 30/19 WARNING	G06K 9/00	G06F 18/00
G06V 30/19 WARNING	G06K 9/62	G06F 18/00
G06V 30/19007 WARNING	G06K 9/00	G06F 18/00
G06V 30/19007 WARNING	G06K 9/6201	G06F 18/22
G06V 30/19013 WARNING	G06K 9/00	G06F 18/00
G06V 30/1902 WARNING	G06K 9/00	G06F 18/00
G06V 30/19027 WARNING	G06K 9/00	G06F 18/00
G06V 30/19033 WARNING	G06K 9/00	G06F 18/00
G06V 30/1904 WARNING	G06K 9/00	G06F 18/00
G06V 30/19047 WARNING	G06K 9/00	G06F 18/00
G06V 30/19053 WARNING	G06K 9/00	G06F 18/00
G06V 30/1906 WARNING	G06K 9/00	G06F 18/00
G06V 30/19067 WARNING	G06K 9/00	G06F 18/00
G06V 30/19073 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/1908 WARNING	G06K 9/00	G06F 18/00
G06V 30/19087 WARNING	G06K 9/00	G06F 18/00
G06V 30/19093 WARNING	G06K 9/00	G06F 18/00
G06V 30/19093 WARNING	G06K 9/6215	G06F 18/22
G06V 30/191 WARNING	G06K 9/00	G06F 18/00
G06V 30/191 WARNING	G06K 9/6217	G06F 18/21
G06V 30/19107 WARNING	G06K 9/00	G06F 18/00
G06V 30/19107 WARNING	G06K 9/6218	G06F 18/23
G06V 30/19107 WARNING	G06K 9/6219	G06F 18/231
G06V 30/19107 WARNING	G06K 9/622	G06F 18/232
G06V 30/19107 WARNING	G06K 9/6221	G06F 18/2321
G06V 30/19107 WARNING	G06K 9/6222	G06F 18/23211
G06V 30/19107 WARNING	G06K 9/6223	G06F 18/23213
G06V 30/19107 WARNING	G06K 9/6224	G06F 18/2323
G06V 30/19107 WARNING	G06K 9/6226	G06F 18/2321
G06V 30/19113 WARNING	G06K 9/00	G06F 18/00
G06V 30/19113 WARNING	G06K 9/6227	G06F 18/285
G06V 30/1912 WARNING	G06K 9/00	G06F 18/00
G06V 30/1912 WARNING	G06K 9/6228	G06F 18/211
G06V 30/1912 WARNING	G06K 9/6229	G06F 18/2111
G06V 30/1912 WARNING	G06K 9/623	G06F 18/2113
G06V 30/1912 WARNING	G06K 9/6231	G06F 18/2115
G06V 30/19127 WARNING	G06K 9/00	G06F 18/00
G06V 30/19127 WARNING	G06K 9/6232	G06F 18/213
G06V 30/19127 WARNING	G06K 9/6234	G06F 18/2132

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/19127 WARNING	G06K 9/6235	G06F 18/21322
G06V 30/19127 WARNING	G06K 2009/6236	G06F 18/21324
G06V 30/19127 WARNING	G06K 2009/6237	G06F 18/21326
G06V 30/19127 WARNING	G06K 2009/6238	G06F 18/21328
G06V 30/19127 WARNING	G06K 9/6239	G06F 18/2133
G06V 30/19127 WARNING	G06K 9/624	G06F 18/2134
G06V 30/19127 WARNING	G06K 9/6242	G06F 18/21342
G06V 30/19127 WARNING	G06K 9/6243	G06F 18/21343
G06V 30/19127 WARNING	G06K 9/6244	G06F 18/21345
G06V 30/19127 WARNING	G06K 9/6245	G06F 18/21347
G06V 30/19127 WARNING	G06K 9/6246	G06F 18/21348
G06V 30/19127 WARNING	G06K 9/6247	G06F 18/2135
G06V 30/19127 WARNING	G06K 9/6248	G06F 18/21355
G06V 30/19127 WARNING	G06K 9/6249	G06F 18/2136
G06V 30/19127 WARNING	G06K 9/6251	G06F 18/2137
G06V 30/19127 WARNING	G06K 9/6252	G06F 18/21375
G06V 30/19127 WARNING	G06K 9/6254	G06F 18/41
G06V 30/19133 WARNING	G06K 9/00	G06F 18/00
G06V 30/19133 WARNING	G06K 9/6254	G06F 18/41
G06V 30/1914 WARNING	G06K 9/00	G06F 18/00
G06V 30/1914 WARNING	G06K 9/6255	G06F 18/28
G06V 30/19147 WARNING	G06K 9/00	G06F 18/00
G06V 30/19147 WARNING	G06K 9/6256	G06F 18/214
G06V 30/19147 WARNING	G06K 9/6257	G06F 18/2148
G06V 30/19147 WARNING	G06K 9/6259	G06F 18/2155



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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/19153 WARNING	G06K 9/00	G06F 18/00
G06V 30/19153 WARNING	G06K 9/626	G06F 18/24765
G06V 30/19153 WARNING	G06K 9/6261	G06F 18/2163
G06V 30/1916 WARNING	G06K 9/00	G06F 18/00
G06V 30/1916 WARNING	G06K 9/6262	G06F 18/217
G06V 30/19167 WARNING	G06K 9/00	G06F 18/00
G06V 30/19167 WARNING	G06K 9/6262	G06F 18/217
G06V 30/19167 WARNING	G06K 9/6263	G06F 18/2178
G06V 30/19167 WARNING	G06K 9/6264	G06F 18/2185
G06V 30/19167 WARNING	G06K 9/6265	G06F 18/2193
G06V 30/19173 WARNING	G06K 9/00	G06F 18/00
G06V 30/19173 WARNING	G06K 9/6267	G06F 18/24
G06V 30/19173 WARNING	G06K 9/6268	G06F 18/241
G06V 30/19173 WARNING	G06K 9/6269	G06F 18/2411
G06V 30/19173 WARNING	G06K 9/627	G06F 18/2413
G06V 30/19173 WARNING	G06K 9/6271	G06F 18/24133
G06V 30/19173 WARNING	G06K 9/6272	G06F 18/24137
G06V 30/19173 WARNING	G06K 9/6273	G06F 18/2414
G06V 30/19173 WARNING	G06K 9/6274	G06F 18/24143
G06V 30/19173 WARNING	G06K 9/6276	G06F 18/24147
G06V 30/19173 WARNING	G06K 9/6277	G06F 18/2415
G06V 30/19173 WARNING	G06K 9/6278	G06F 18/24155
G06V 30/19173 WARNING	G06K 9/6279	G06F 18/243
G06V 30/19173 WARNING	G06K 9/628	G06F 18/2431
G06V 30/19173 WARNING	G06K 9/6281	G06F 18/24317

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/19173 WARNING	G06K 9/6282	G06F 18/24323
G06V 30/19173 WARNING	G06K 9/6284	G06F 18/2433
G06V 30/19173 WARNING	G06K 9/6285	G06F 18/245
G06V 30/19173 WARNING	G06K 9/6286	G06F 18/2451
G06V 30/19173 WARNING	G06K 9/6287	G06F 18/2453
G06V 30/1918 WARNING	G06K 9/00	G06F 18/00
G06V 30/1918 WARNING	G06K 9/6288	G06F 18/25
G06V 30/1918 WARNING	G06K 9/6289	G06F 18/251
G06V 30/1918 WARNING	G06K 9/629	G06F 18/253
G06V 30/1918 WARNING	G06K 9/6292	G06F 18/254
G06V 30/1918 WARNING	G06K 9/6293	G06F 18/256
G06V 30/1918 WARNING	G06K 2009/6294	G06F 18/257
G06V 30/1918 WARNING	G06K 2009/6295	G06F 18/259
G06V 30/19187 WARNING	G06K 9/00	G06F 18/00
G06V 30/19187 WARNING	G06K 9/6296	G06F 18/29
G06V 30/19187 WARNING	G06K 9/6297	G06F 18/295
G06V 30/19193 WARNING	G06K 9/00	G06F 18/00
G06V 30/19193 WARNING	G06K 9/6298	G06F 18/10
G06V 30/192 WARNING	G06K 9/00	G06F 18/00
G06V 30/194 WARNING	G06K 9/00	G06F 18/00
G06V 30/195 WARNING	G06K 9/00	G06F 18/00
G06V 30/196 WARNING	G06K 9/00	G06F 18/00
G06V 30/1983 WARNING	G06K 9/00	G06F 18/00
G06V 30/199 WARNING	G06K 9/00	G06F 18/00
G06V 30/20 WARNING	G06K 9/00	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G06V 30/22 WARNING	G06K 9/00	G06F 18/00
G06V 30/224 WARNING	G06K 9/00	G06F 18/00
G06V 30/24 WARNING	G06K 9/00	G06F 18/00
G06V 30/26 WARNING	G06K 9/00	G06F 18/00
G06V 30/262 WARNING	G06K 9/00	G06F 18/00
G06V 30/28 WARNING	G06K 9/00	G06F 18/00
G06V 30/30 WARNING	G06K 9/00	G06F 18/00
G06V 30/302 WARNING	G06K 9/00	G06F 18/00
G06V 30/302 WARNING	G06K 9/6262	G06F 18/217
G06V 30/32 WARNING	G06K 9/00	G06F 18/00
G06V 30/40 WARNING	G06K 9/00	G06F 18/00
G06V 30/41 WARNING	G06K 9/00	G06F 18/00
G06V 40/00 WARNING	G06K 9/00	G06F 18/00
G06V 40/13 WARNING	G06K 9/00	G06F 18/00
G06V 40/145 WARNING	G06K 9/00	G06F 18/00
G07B17/00661	G06K9/00	<u>Delete symbol and reference text from the reference</u>
G07B17/00733  Note	G06K9/00	<u>Replace current reference:</u>  methods or arrangements for reading or recognising printed or written characters or for recognising patterns G06K 9/00  <u>with the following references:</u>  recognising characters or patterns in general G06F 18/00, G06V 30/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G07C 9/00  Note 3	G06K9/00	<u>Replace current reference:</u>  G06K 9/00 biometric sensors, recognising biometric patterns  <u>with the following reference:</u>  G06V 40/00 recognition of biometric, human-related or animal-related patterns in image or video data
G07C9/00174	G06K9/00	<u>Delete symbol from reference</u>
G09B5/04	G06K9/00	<u>Delete symbol and reference text from the reference</u>
G09B21/00	G06K9/00	<u>Delete symbol and reference text from the reference</u>
G10H2220/441	G06K9/00	<u>Replace current reference:</u>  pattern recognition G06K 9/00  <u>with the following reference:</u>  recognising music notations G06V 30/304
G16  Note	G06K9/00	<u>Replace current reference:</u>  pattern recognition, which is covered by group G06K 9/00;  <u>with the following reference:</u>  recognising patterns in general G06F 18/00
H01J49/0036	G06K9/00496	<u>Delete symbol and reference text from the reference</u>
H04H60/59	G06K9/00	<u>Replace current reference:</u>  recognising characters or patterns in general G06K 9/00  <u>with the following references:</u>  recognising characters or patterns in general G06F 18/00, G06V 20/00
H04N1/00331	G06K9/00	<u>Replace current reference:</u>  arrangements for recognising printed or written characters G06K 9/00  <u>with the following reference:</u>  character recognition G06V 30/10

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
H04N1/00336	G06K9/00	<p><u>Replace current reference:</u></p> <p>arrangements for recognising patterns G06K 9/00</p> <p><u>with the following reference:</u></p> <p>image or video recognition or understanding of scenes G06V 20/00</p>
H04N1/00355	G06K9/00	<p><u>Replace current reference:</u></p> <p>arrangements for recognising printed or written characters G06K 9/00</p> <p><u>with the following references:</u></p> <p>character recognition G06V 30/10; document-oriented image-based pattern recognition G06V 30/40</p>
H04N1/00843	G06K9/00	<p><u>Replace current reference:</u></p> <p>recognising characters or patterns G06K 9/00</p> <p><u>with the following references:</u></p> <p>pattern authentication and markers therefor, forgery detection G06V 20/95; character recognition G06V 30/10; document-oriented image-based pattern recognition G06V 30/40</p>

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Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A47L15/4293	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
A47L15/4295	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprint (computer vision systems) G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
A47L15/46	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprint G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
A61B	G06K9/00	Limiting references	<p><u>Delete the existing limiting reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints G06K 9/00</p> <p><u>from the limiting references table.</u></p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A 61B5/117	G06K9/00	Informative references	<u>Delete the existing informative reference:</u>  Pattern recognition, e.g. for recognising finger prints G06K 9/00  <u>from the informative references table.</u>
A 61B5/117		Limiting references	<u>Create new section limiting references and add new limiting reference:</u>  Methods or arrangements for reading or recognising patterns, e.g. fingerprints G06F 18/00, G06V 40/00  <u>to the limiting references table.</u>
A 61B5/1172	G06K9/00	Informative references	<u>Replace existing informative reference:</u>  Acquiring fingerprints G06K 9/00  <u>with the following NEW informative reference:</u>  Recognition of fingerprints or palmprints G06V 40/12
A 61B5/349	G06K9/00	Informative references	<u>Replace existing informative reference:</u>  Methods or arrangements for recognising patterns in general G06K 9/00  <u>with the following NEW informative reference:</u>  Pattern recognition in time domain, e.g. time-series data G06F 2123/02

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A 61B5/369	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for recognising patterns in general G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition in time domain, e.g. time-series data G06F 2123/02</p>
A 61B8/00	G06K9/00	Relationship	G06F 18/00
A 61B8/00	G01S15/89D	Relationship	G01S15/8906
A 61B8/00	G01S7/52S	Relationship	G01S7/52017
A 61N1/00	G06K9/00496	Informative references	G06F 2218/00
B07C3/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Character/pattern reading per se G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p> <p>Recognition or understanding of postal images G06V 30/424</p>
B42D15/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p>



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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
B42D25/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Reading or recognising characters or patterns, e.g. fingerprints G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p> <p>Pattern authentication or markers therefor, forgery detection G06V 20/95</p>
B43K29/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Arrangements for reading or recognising printed or written characters G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Character recognition, image acquisition G06V 30/14</p>
B60Q	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Character recognition, image acquisition G06V 30/14</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
B60S1/00	G06K9/00	Relationship	<p><u>Replace in the third paragraph the following sentence:</u></p> <p>The main groups for those documents should be either stereoscopic detection H04N 13/00 or image recognition G06K 9/00.</p> <p><u>with the following sentence:</u></p> <p>The groups for those documents should be either stereoscopic detection H04N 13/00 or image or video understanding of scenes exterior to a vehicle G06V 20/56.</p>
G01C11/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Mosaicking of surveyed images G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Image or video recognition or understanding of scenes G06V 20/00</p>
G01R13/00	G06K9/00496	Informative references	G06F 2218/00
G01R23/16	G06K9/00523	Informative references	G06F 2218/08
G01R29/10	G06K9/0053	Informative references	G06F 2218/10
G01S7/52	G06K9/00496	Informative references	G06F 2218/00
G01S7/52017	G06K9/00496	Limiting references	G06F 2218/00
G01S7/52036	G06K9/00536	Limiting references	G06F 2218/12
G06F7/22	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Classifying in pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
G06F16/00	G06K9/00	Application-oriented references	G06F 18/00
G06F16/00	G06K9/00	Relationship	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06F16/50	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition; low-level feature extraction per se G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
G06F16/55	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for recognising patterns G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Clustering techniques for pattern recognition G06F 18/23</p>
G06F16/583	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Feature extraction G06V 10/40</p>
G06F16/5846	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Optical Character Recognition (OCR) techniques G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06F16/65	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for recognising patterns G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Clustering techniques for pattern recognition G06F 18/23</p> <p>Classification techniques for pattern recognition G06F 18/24</p>
G06F16/70	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Recognising patterns G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Recognising patterns G06F 18/00</p>
G06F16/7328	G06K9/00	Definition statement	G06F 18/00, G06V
G06F16/75	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for recognising patterns G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Clustering techniques for pattern recognition G06F 18/23</p> <p>Classification techniques for pattern recognition G06F 18/24</p>
G06F17/10	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition, e.g. classification algorithms G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06F17/15	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
G06F17/18	G06K9/6217	Informative references	G06F 18/21
G06K	G06K9/00	Special rules	<p><u>Delete the following text from Special rules:</u></p> <p>G06K 9/00 takes precedence over G06K 7/00.</p>
G06K7/00	G06K9/00	Limiting references	<p><u>Replace existing limiting reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognition patterns G06K 9/00</p> <p><u>with the following three NEW limiting references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Arrangements for image or video recognition or understanding G06V 10/00</p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p>
G06T	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern Recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Reading or recognising printed or written characters or recognising patterns, e.g. fingerprints G06F 18/00, G06V</p>
G06T5/00	G06K9/00	Relationship	G06V

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/00	G06K9/00	Application-oriented references	<u>Delete the following application-oriented reference:</u>  Methods or arrangements for reading or recognising printed or written characters or for recognising patterns G06K 9/00
G06T7/00	G06K9/00	Informative references	<u>Insert the following NEW informative reference:</u>  Methods or arrangements for reading or recognising printed or written characters or for recognising patterns G06F 18/00, G06V 10/00
G06T7/0002	G06K9/6201	Informative references	<u>Replace existing informative reference:</u>  Image matching for pattern recognition or image matching in general G06K 9/6201  <u>with the following two NEW informative references:</u>  Pattern matching criteria, e.g. proximity measures G06F 18/22  Image or video pattern matching G06V 10/74
G06T7/0002	G06K9/6218	Informative references	<u>Replace existing informative reference:</u>  Clustering techniques for pattern recognition G06K 9/6218  <u>with the following two NEW informative reference:</u>  Clustering techniques for pattern recognition G06F 18/23  Pattern recognition or machine learning using clustering within arrangements for image or video recognition or understanding G06V 10/762

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/0002	G06K9/6262	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Validation, performance evaluation or active pattern learning techniques G06K 9/6262</p> <p><u>with the following NEW informative reference:</u></p> <p>Validation, performance evaluation or active pattern learning techniques G06F 18/217</p>
G06T7/0002	G06K9/6267	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Classification techniques for pattern recognition G06K 9/6267</p> <p><u>with the following two NEW informative references:</u></p> <p>Classification techniques for pattern recognition G06F 18/24</p> <p>Pattern recognition or machine learning using classification within arrangements for image or video recognition or understanding G06V 10/764</p>
G06T7/001	G06K9/6255	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Determining representative reference patterns, generating pattern dictionaries in pattern recognition G06K 9/6255</p> <p><u>with the following two NEW informative references:</u></p> <p>Determining representative reference patterns or generating dictionaries G06F 18/28</p> <p>Determining representative reference patterns or generating dictionaries for image or video recognition or understanding G06V 10/772</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/0014	G06K9/6255	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Determining representative reference patterns, generating pattern dictionaries in pattern recognition G06K 9/6255</p> <p><u>with the following two NEW informative reference:</u></p> <p>Determining representative reference patterns or generating dictionaries G06F 18/28</p> <p>Determining representative reference patterns or generating dictionaries for image or video recognition or understanding G06V 10/772</p>
G06T7/0016	G06K9/6201	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Image matching for pattern recognition or image matching in general G06K 9/6201</p> <p><u>with the following three NEW informative references:</u></p> <p>Pattern matching criteria, e.g. proximity measures G06F 18/22</p> <p>Temporal feature extraction for image or video recognition or understanding G06V 10/62</p> <p>Image or video pattern matching G06V 10/74</p>



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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/10	G06K9/6218	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Clustering techniques in pattern recognition G06K 9/6218</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern recognition or machine learning using clustering within arrangements for image or video recognition or understanding G06V 10/762</p> <p>Clustering techniques for pattern recognition G06F 18/23</p>
G06T7/10	G06K9/6267	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Classification techniques in pattern recognition G06K 9/6267</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern recognition or machine learning using classification within arrangements for image or video recognition or understanding G06V 10/764</p> <p>Classification techniques for pattern recognition G06F 18/24</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/143	G06K9/6277	Application-oriented references	<p><u>Replace existing application-oriented reference:</u></p> <p>Classification techniques based on a parametric (probabilistic) model, for pattern recognition G06K 9/6277</p> <p><u>with the following two NEW application-oriented references:</u></p> <p>Classification techniques based on parametric or probabilistic models for pattern recognition G06F 18/2415</p> <p>Pattern recognition or machine learning using classification within arrangements for image or video recognition or understanding G06V 10/764</p>
G06T7/143	G06K9/6297	Application-oriented references	<p><u>Replace existing application-oriented reference:</u></p> <p>Markov models or related models or networks embedding Markov models for pattern recognition G06K 9/6297</p> <p><u>with the following NEW application-oriented reference:</u></p> <p>Markov models or related models, Markov random fields or networks embedding Markov models for pattern recognition G06F 18/295</p>
G06T7/162	G06K9/6219	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Hierarchical clustering techniques, for pattern recognition G06K 9/6219</p> <p><u>with the following NEW informative reference:</u></p> <p>Hierarchical clustering techniques, for pattern recognition G06F 18/231</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/162	G06K9/6224	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Non-hierarchical partitioning techniques based on graph theory, for pattern recognition G06K 9/6224</p> <p><u>with the following NEW informative reference:</u></p> <p>Non-hierarchical partitioning techniques based on graph theory, for pattern recognition G06F 18/2323</p>
G06T7/30	G06K9/6201	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Image matching for pattern recognition or image matching in general G06K 9/6201</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern matching criteria, e.g. proximity measures G06F 18/22</p> <p>Image or video pattern matching G06V 10/74</p>
G06T7/337	G06K9/6201	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Image matching for pattern recognition or image matching in general G06K 9/6201</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern matching criteria, e.g. proximity measures G06F 18/22</p> <p>Image or video pattern matching G06V 10/74</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G06T7/70	G06K9/6201	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Matching for pattern recognition G06K 9/6201</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern matching criteria, e.g. proximity measures G06F 18/22</p> <p>Image or video pattern matching G06V 10/74</p>
G06T7/74	G06K9/6201	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Image matching for pattern recognition or image matching in general G06K 9/6201</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern matching criteria, e.g. proximity measures G06F 18/22</p> <p>Image or video pattern matching G06V 10/74</p>
G06T9/00	G06K9/00	Informative references	<p><u>Replace existing informative reference</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Image or video recognition or understanding G06V</p>
G06T2207/20	G06K9/00	Definition statement	G06F 18/00
G06T2207/30	G06K9/00	Definition statement	G06F 18/00, G06V
G06V	G06K9/62	Relationship	G06F 18/00

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G07B17/00661	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Character recognition G06V 30/10</p> <p>Recognition or understanding of postal images G06V 30/424</p>
G07B17/00733	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Character recognition G06V 30/10</p> <p>Recognition or understanding of postal images G06V 30/424</p>
G07C	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Reading or recognizing biometric data G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/00</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G07C9/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints G06 K9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Arrangements for recognising patterns G06F 18/00</p>
G07C9/00174	G06K9/00	Informative references	<u>Delete symbol from reference</u>
G07C9/22	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Recognising patterns, e.g. fingerprints or signatures G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/00</p>
G07C9/24	G06K9/00	Relationship	<p><u>Replace the single sentence:</u></p> <p>Group G06K 9/00 takes precedence if the disclosure is based on the way the signature is verified.</p> <p><u>with the following sentence:</u></p> <p>Groups G06V 30/32, G06V 30/226 and G06V 40/30 take precedence if the disclosure is based on the way the signature is verified.</p>
G07C9/25	G06K9/00	Relationship	<p><u>Replace the single sentence:</u></p> <p>Group G06K 9/00 takes precedence if the disclosure is based on the way the biometrics are analysed.</p> <p><u>with the following sentence:</u></p> <p>Group G06V 40/00 takes precedence if the disclosure is based on the way the biometrics are analysed.</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G07C9/257	G06K9/00	Relationship	<u>Delete from the Relationships section the following sentence:</u>  Arrangements for recognizing patterns, see G06K 9/00.
G07C9/37	G06K9/00	Relationship	<u>Replace the following sentence:</u>  Arrangements for recognizing patterns, see G06K 9/00.  <u>with the following sentence:</u>  Recognition of biometric, human-related or animal-related patterns in image or video data, see G06V 40/00.
G07D7/20	G06K9/00	Informative references	<u>Replace existing informative reference:</u>  Pattern recognition in general. G06K 9/00.  <u>with the following two NEW informative references:</u>  Pattern recognition G06F 18/00  Image or video recognition or understanding G06V
G07D7/202	G06K9/00	Informative references	<u>Replace existing informative reference:</u>  Pattern recognition. G06K9/00.  <u>with the following two NEW informative references:</u>  Pattern matching criteria, e.g. proximity measures G06F 18/22  Image or video pattern matching G06V 10/74

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G08B13/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition based on images G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Surveillance or monitoring of activities in scenes in image or video recognition or understanding G06V 20/52</p>
G08G	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
G09B5/04	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Reading and recognising printed or written characters G06F 18/00, G06V 30/00</p>



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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G09B21/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p>
G09C	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Recognizing patterns or reading or recognizing printed or written characters G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p>
G10L15/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06 K9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Image or video recognition or understanding G06V</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G10L17/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following three NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Arrangements for image or video recognition or understanding G06V 10/00</p> <p>Recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/00</p>
G11B27/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Video object recognition G06 K9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Image or video recognition of video content G06V 20/40</p>
G16B	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
G16C	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00, G06V 10/00</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G16H50/70	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition G06K 9/00</p> <p><u>with the following four NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Arrangements for image or video recognition or understanding G06V 10/00</p> <p>Scenes; Scene-specific elements G06V 20/00</p> <p>Recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/00</p>
H01J49/00	G06K9/00496	Informative references	G06F 2218/00
H01L27/14678	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Fingerprint recognition G06K 9/00</p> <p><u>with the following two NEW informative references:</u></p> <p>Fingerprint or palmprint sensors for the recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/13</p> <p>Vascular sensors for the recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/145</p>
H03H21/00	G06K9/00536	Informative references	G06F 2218/12

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
H04H60/59	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Recognising characters or patterns in general G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Recognising characters or patterns in general G06F 18/00, G06V 20/00</p>
H04L9/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Character or pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Pattern recognition G06F 18/00</p>
H04N1/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Character or pattern recognition G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p>

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
H04N19/00	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Pattern recognition (characters, fingerprints) G06K 9/00</p> <p><u>with the following five NEW informative references:</u></p> <p>Pattern recognition G06F 18/00</p> <p>Arrangements for image or video recognition or understanding G06V 10/00</p> <p>Scenes; Scene-specific elements G06V 20/00</p> <p>Character recognition, recognising digital ink or document-oriented image-based pattern recognition G06V 30/00</p> <p>Recognition of biometric, human-related or animal-related patterns in image or video data G06V 40/00</p>
H04N21/4415	G06K9/00	Informative references	<p><u>Replace existing informative reference:</u></p> <p>Methods or arrangements for recognising patterns G06K 9/00</p> <p><u>with the following NEW informative reference:</u></p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognising patterns, e.g. fingerprints G06F 18/00, G06V 20/00</p>

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.

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- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.