

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 870

DATE: MAY 1, 2020

PROJECT MP0421

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	H01J	1/22, 1/32, 1/34, 1/52, 1/63, 1/66, 1/90, 1/94
	H01J	3/26
	H01J	5/04, 5/16, 5/48, 5/50
	H01J	7/02, 7/24, 7/30
	H01J	9/00, 9/236
	H01J	11/00
	H01J	13/00, 13/16, 13/34, 13/44
	H01J	15/00
	H01J	17/00, 17/20, 17/38, 17/49, 17/50
	H01J	19/16, 19/40, 19/44, 19/48, 19/64
	H01J	21/00, 21/20
	H01J	23/16
	H01J	25/02, 25/54, 25/74
	H01J	27/02
	H01J	29/04, 29/08, 29/70, 29/81, 29/84, 29/88, 29/92
	H01J	31/00
	H01J	37/00, 37/147, 37/20, 37/244, 37/248, 37/252, 37/28
	H01J	40/00, 40/18
	H01J	43/00, 43/10
	H01J	49/26
	H01J	61/00, 61/44, 61/54, 61/64
	H01J	63/00
DEFINITIONS:		
Definitions Modified:	H01J	1/52, 1/90
	H01J	3/26
	H01J	5/00
	H01J	9/00
	H01J	11/00, 11/44, 11/46
	H01J	13/00
	H01J	17/00, 17/49
	H01J	21/00
	H01J	27/02
	H01J	29/00, 29/70, 29/84, 29/88
	H01J	31/00
	H01J	37/00, 37/147, 37/244, 37/248, 37/28
	H01J	40/00
	H01J	43/00
	H01J	61/00, 61/64
	H01J	63/00

No other subclasses/groups are impacted by this Notice of Changes.

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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 H01J – ELECTRIC DISCHARGE TUBES OR DISCHARGE LAMPS**

<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>
M	H01J 1/22	4	Heaters	
M	H01J 1/32	2	Secondary-electron-emitting electrodes (H01J1/35 takes precedence)	
M	H01J 1/34	2	Photo-emissive cathodes (H01J1/35 takes precedence)	
M	H01J 1/52	1	Screens for shielding; Guides for influencing the discharge; Masks interposed in the electron stream	
M	H01J 1/63	3	characterised by the luminescent material	
M	H01J 1/66	3	Supports for luminescent material	
M	H01J 1/90	2	Insulation between electrodes or supports within the vacuum space	
M	H01J 1/94	2	Mountings for individual electrodes	
M	H01J 3/26	1	Arrangements for deflecting ray or beam {(H01J29/46 - H01J29/84 and H01J37/147 take precedence)}	
M	H01J 5/04	2	Vessels or containers characterised by the material thereof	
M	H01J 5/16	2	Optical or photographic arrangements structurally combined with the vessel	
M	H01J 5/48	1	Means forming part of the tube or lamp for the purpose of supporting it	
M	H01J 5/50	1	Means forming part of the tube or lamps for the purpose of providing electrical connection to it	
M	H01J 7/02	1	Selection of substances for gas fillings; Specified operating pressure or temperature	
M	H01J 7/24	1	Cooling arrangements; Heating arrangements; Means for circulating gas or vapour within the discharge space	
M	H01J 7/30	1	Igniting arrangements	
M	H01J 9/00	0	Apparatus or processes specially adapted for the manufacture {, installation, removal, maintenance} of electric discharge tubes, discharge lamps, or parts thereof; Recovery of material from discharge tubes or lamps	

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<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>
M	H01J 9/236	1	Manufacture of magnetic deflecting devices for cathode-ray tubes	
M	H01J 11/00	0	Gas-filled discharge tubes with alternating current induction of the discharge, e.g. AC-PDPs [Alternating Current Plasma Display Panels] (circuits or methods for driving PDPs G09G3/28); Gas-filled discharge tubes without any main electrode inside the vessel; Gas-filled discharge tubes with at least one main electrode outside the vessel	
M	H01J 13/00	0	Discharge tubes with liquid-pool cathodes, e.g. metal-vapour rectifying tubes	
M	H01J 13/16	3	Anodes; Auxiliary anodes for maintaining the discharge	
M	H01J 13/34	2	Igniting arrangements	
M	H01J 13/44	2	Devices for preventing or eliminating arcing-back	
M	H01J 15/00	0	Gas-filled discharge tubes with gaseous cathodes, e.g. plasma cathode	
M	H01J 17/00	0	Gas-filled discharge tubes with solid cathode (H01J25/00, H01J27/00, H01J31/00 - H01J41/00 {, H01J11/00} take precedence; gas filled spark gaps H01T; Marx converters H02M7/26)	
M	H01J 17/20	2	Selection of substances for gas fillings; Specified operating pressures or temperatures	
M	H01J 17/38	1	Cold-cathode tubes	
M	H01J 17/49	3	Display panels, e.g. with crossed electrodes {, e.g. making use of direct current (display panels making use of alternating current H01J11/00)}	
M	H01J 17/50	1	Thermionic-cathode tubes	
M	H01J 19/16	4	Heaters	
M	H01J 19/40	2	Screens for shielding	
M	H01J 19/44	2	Insulation between electrodes or supports within the vacuum space	
M	H01J 19/48	2	Mountings for individual electrodes	
M	H01J 19/64	1	Means forming part of the tube for the purpose supporting it	

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<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>
M	H01J 21/00	0	Vacuum tubes (H01J25/00, H01J31/00 - H01J40/00, H01J43/00, H01J47/00, H01J49/00 take precedence; details of vacuum tubes H01J19/00)	
M	H01J 21/20	1	Tubes with more than one discharge path; Multiple tubes, e.g. double diode, triode-hexode	
M	H01J 23/16	1	Circuit elements, having distributed capacitance and inductance, structurally associated with the tube and interacting with the discharge	
M	H01J 25/02	1	Tubes with electron stream modulated in velocity or density in a modulator zone and thereafter giving up energy in an inducing zone, the zones being associated with one or more resonators	
M	H01J 25/54	3	having only one cavity or other resonator, e.g. neutrode tubes	
M	H01J 25/74	1	Tubes specially designed to act as transit-time diode oscillators, e.g. monotrons	
M	H01J 27/02	1	Ion sources; Ion guns {(for examination or processing discharge tubes H01J37/08; ion sources, ion guns for particle spectrometer or separator tubes H01J49/10; ion propulsion F03H1/00)}	
M	H01J 29/04	2	Cathodes	
M	H01J 29/08	2	Electrodes intimately associated with a screen on or from which an image or pattern is formed, picked-up, converted or stored, e.g. backing-plates for storage tubes or collecting secondary electrons	
M	H01J 29/70	2	Arrangements for deflecting ray or beam {(H01J29/467, H01J29/525 take precedence)}	
M	H01J 29/81	3	using shadow masks	
M	H01J 29/84	1	Traps for removing or diverting unwanted particles, e.g. negative ions, fringing electrons; Arrangements for velocity or mass selection	
M	H01J 29/88	2	provided with coatings on the walls thereof; Selection of materials for the coatings {(H01J29/868 and H01J29/89 take precedence)}	

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<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>
M	H01J 29/92	1	Means forming part of the tube for the purpose of providing electrical connection to it	
M	H01J 31/00	0	Cathode ray tubes; Electron beam tubes (H01J25/00, H01J 33/00, H01J35/00, H01J37/00 take precedence; details of cathode ray tubes or of electron beam tubes H01J29/00)	
M	H01J 37/00	0	Discharge tubes with provision for introducing objects or material to be exposed to the discharge, e.g. for the purpose of examination or processing thereof (H01J33/00, H01J40/00, H01J41/00, H01J47/00, H01J49/00 take precedence)	
M	H01J 37/147	3	Arrangements for directing or deflecting the discharge along a desired path ({H01J 37/045 take precedence;} lenses H01J 37/10)	
M	H01J 37/20	2	Means for supporting or positioning the objects or the material; Means for adjusting diaphragms or lenses associated with the support {(introducing the objects H01J37/18)}	
M	H01J 37/244	2	Detectors; Associated components or circuits therefor	
M	H01J 37/248	2	Components associated with high voltage supply {(means for measuring the high voltage per se G01R15/00)}	
M	H01J 37/252	1	Tubes for spot-analysing by electron or ion beams; Microanalysers	
M	H01J 37/28	2	with scanning beams {(H01J37/268, H01J37/292, H01J37/2955 take precedence)}	
M	H01J 40/00	0	Photoelectric discharge tubes not involving the ionisation of a gas (H01J49/00 takes precedence)	
M	H01J 40/18	2	with luminescent coatings for influencing the sensitivity of the tube, e.g. by converting the input wavelength	
M	H01J 43/00	0	Secondary-emission tubes; Electron-multiplier tubes (dynamic electron-multiplier tubes H01J25/76)	
M	H01J 43/10	3	Dynodes (H01J43/24, H01J43/26 take precedence)	

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<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>
M	H01J 49/26	1	Mass spectrometers or separator tubes	
M	H01J 61/00	0	Gas-discharge or vapour-discharge lamps (arc lamps with consumable electrodes H05B; electroluminescent lamps H05B)	
M	H01J 61/44	4	Devices characterised by the luminescent material	
M	H01J 61/54	2	Igniting arrangements, e.g. promoting ionisation for starting	
M	H01J 61/64	1	Cathode glow lamps	
M	H01J 63/00	0	Cathode-ray or electron-stream lamps	

*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>.
- 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 finalisation 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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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>
H01J 1/52	Informative references		<p><u>Insert:</u> The following new <i>Informative reference</i> section and the following reference.</p> <p>References Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Screens acting as control electrodes H01J 1/46</p>
H01J 1/52	Limiting references	Screens acting as control electrodes H01J 1/46	<u>Delete:</u> The entire Limiting references section.
H01J 1/90	Informative references		<p><u>Insert:</u> The following new <i>Informative reference</i> section and the following reference.</p> <p>References Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Leading-in conductors H01J 5/46</p>
H01J 1/90	Limiting references	Leading-in conductors H01J 5/46	<u>Delete:</u> The entire Limiting references section.
H01J 3/26	Limiting references	Arrangements of electrodes and associated parts for generating or controlling the ray or beam, e.g. electron-optical arrangement H01J 29/46	<p><u>Replace:</u> The references symbol H01J29/46 with the following range:</p> <p>H01J29/46 – H01J29/84</p>
H01J 5/00	Informative references	<p>Laminating glass layers B32C 17/10</p> <p>Units comprising two or more parallel glass of like panes permanently secured together E06B 23/00</p>	<p><u>Replace:</u> The existing reference symbols with the following new symbols.</p> <p>Laminating glass layers B32B17/10</p> <p>Units comprising two or more parallel glass or like panes permanently secured together E06B3/66</p>
H01J 9/00	Informative references	Laminating glass layers B32C17/10	<p><u>Replace:</u> The existing reference symbol with the following new symbol.</p> <p>Laminating glass layers B32B17/10</p>

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H01J 11/00	Limiting references	<p>Methods for manufacturing AC-PDPs H01J9/00</p> <p>Discharge lamps H01J 61/00, H01J 63/00, H01J 65/00</p> <p>Circuits or methods for driving AC-PDPs G09G 3/28</p>	<p><u>Delete</u>: The following Limiting reference from the table.</p> <p>Methods for manufacturing AC-PDPs H01J9/00</p>
H01J 11/00	Informative references		<p><u>Insert</u>: The following new informative reference to the existing table.</p> <p>Methods for manufacturing AC-PDPs H01J9/00</p>
H01J 11/00	Limiting references	<p>Discharge lamps H01J 61/00, H01J 63/00, H01J 65/00</p> <p>Circuits or methods for driving AC-PDPs G09G 3/28</p>	<p><u>Delete</u>: The following Limiting reference from the table.</p> <p>Discharge lamps H01J 61/00, H01J 63/00, H01J 65/00</p>
H01J 11/00	Informative references	Direct current plasma display panels [DC-PDP] H01J 17/49 , /00	<p><u>Delete</u>: The following text: “, /00” from the table row.</p>
H01J 11/00	Special rules of classification	<p>When classifying in this main group, classification is made in any appropriate place, i.e. multi-aspect classification is used. This means that, e.g.. a document relating to a dielectric layer of an AC-PDP is classified in one of H01J10/00 - H01J18/00 (identifying the kind of structure of the PDP) and in H01J11/38 (relating to dielectric and insulating layers).</p> <p>In this main group documents are classified according to the reformed ECLA approach, i.e. important (invention-type) information is identified with ECLA symbols, e.g. H01J 11/12, additional (secondary) information with Indexing Code symbols, e.g. H01J 2211/12.</p> <p>Classification of invention information and additional information is obligatory in this main group.</p>	<p><u>Replace</u>: All three existing paragraphs with the following two paragraphs:</p> <p>When classifying in this main group, classification is made in any appropriate place, i.e. multi-aspect classification is used. This means that, e.g. a document relating to a dielectric layer of an AC-PDP is classified in H01J11/38 (relating to dielectric and insulating layers).</p> <p>Classification of invention information and additional information is obligatory in this main group.</p>

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H01J 11/44	Informative references	Materials of adhesive layers C09J/00	<u>Replace:</u> The existing reference symbol with the following new symbol. Materials of adhesive layers C09J
H01J 11/46	Informative references	Connectors H01R/00	<u>Replace:</u> The existing reference symbol with the following new symbol. Connectors H01R
H01J 13/00	Informative references	Circuit arrangements for discharge tubes in static converters H02M 1/02	<u>Insert:</u> The following new informative reference table row. Discharge lamps H01J 61/00
H01J 13/00	Limiting references	Discharge lamps H01J 61/00	<u>Delete:</u> The entire Limiting references section.
H01J 17/00	Limiting references		<u>Insert:</u> The following new references to the existing Limiting references table. Discharge tubes with provision for emergence of electrons or ions from the vessel H01J 33/00 X-ray tubes H01J 35/00 Discharge tubes with provision for introducing objects or material to be exposed to the discharge H01J 37/00 Photoelectric discharge tubes not involving the ionisation of a gas H01J 40/00
H01J 17/00	Informative references		<u>Insert:</u> The following new informative reference table rows to the existing table. Discharge lamps H01J 61/00 Tubes for generating potential differences by charges carried in a gas stream H02N
H01J 17/00	Limiting references		<u>Delete:</u> The following Limiting references from the table. Discharge lamps H01J 61/00 Tubes for generating potential differences by charges carried in a gas stream H02N

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H01J 17/00	Informative references	Cathode ray tubes [CRT] H01J29/00 , H01J31/00 Field emission displays [FED] H01J29/00 , H01J31/00	<u>Replace</u> : The existing references with the following, i.e. delete “, H01J31/00 ” from both. Cathode ray tubes [CRT] H01J29/00 Field emission displays [FED] H01J29/00
H01J 17/49	Informative references		<u>Insert</u> : The following new <i>Informative reference</i> section and the following reference. References Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i> Gas discharge type indicating arrangements effected by the combination of a number of individual lamps G09F9/313
H01J 17/49	Limiting references	Gas discharge type indicating arrangements effected by the combination of a number of individual lamps G09F9/313	<u>Delete</u> this row.
H01J 21/00	Limiting references	Cathode-ray or electron-stream lamps H01J63/00	<u>Delete</u> this row.
H01J 21/00	Limiting references		<u>Insert</u> : The following new references into the existing Limiting references table. Details of vacuum tubes H01J19/00 Photoelectric discharge tubes not involving the ionization of a gas H01J40/00 Tubes for determining the energy of radiation or particles H01J47/00 Particle spectrometers or separator tubes H01J49/00
H01J 21/00	Informative references	Details of vacuum tubes H01J19/00	<u>Delete</u> : The existing reference and section.
H01J 27/02	Informative references	Ion propulsion F03H1/00	<u>Delete</u> : The existing reference symbol and text from the Informative references table.
H01J 27/02	Limiting references		<u>Insert</u> : The following new table row into the existing Limiting references table. Ion propulsion F03H1/00

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H01J 29/00	Limiting references	<p>Stands or trestles as supports for display apparatus F16M 11/00</p> <p>Control circuits for electron emission display panels or methods of driving thereof G09G 3/22</p> <p>Electrical connectors not integral with the display panel H01R</p> <p>Control circuits for cathode ray tubes or methods of driving thereof H04N 3/00, H04N 5/00</p> <p>Printed circuit boards for electron emission display apparatus; arrangement and connection thereof (e.g. to the electrodes of the display panel) when not integral with the display panel H05K 1/00- H05K 3/00</p> <p>Casings or cabinets of display apparatus not integral with the display panel Supporting structures in these casings or cabinets for circuit boards not integral with the display panel H05K 5/00, H05K 7/14</p> <p>Cooling or ventilating arrangements of display apparatus, when not integral with the display panel H05K 7/20954</p> <p>EMI shielding filters of display panels when not integral with or directly attached to the display panel H05K 9/0096</p>	<p><u>Replace</u>: The <u>entire</u> Limiting references table references with the following new reference.</p> <p>Cathode ray tubes and election beam tubes, in particular electron emission (e.g. filed emission) display panels H01J31/00</p>
H01J 29/00	Informative references	<p>Laminating glass layers B32C17/10</p> <p>Units comprising two or more parallel glass of like panes permanently secured together E06B23/00</p>	<p><u>Replace</u> with following updated references.</p> <p>Laminating glass layers B32B17/10</p> <p>Units comprising two or more parallel glass or like panes permanently secured together E06B3/66</p>
H01J 29/70	Limiting references	<p>Systems for correcting deviation or convergence of a plurality of beams by means of magnetic fields at least H01J29/701</p> <p>Arrangements in which the transit time of the electrons has to be taken into account H01J29/708</p>	<p><u>Delete</u> these references from the limiting references table.</p>

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H01J 29/70	Informative references		<p><u>Insert:</u> The following references into the existing Informative references table.</p> <p>Systems for correcting deviation or convergence of a plurality of beams by means of magnetic fields at least H01J29/701</p> <p>Arrangements in which the transit time of the electrons has to be taken into account H01J29/708</p>
H01J 29/84	Limiting references	Particle spectrometer or separator tubes H01J 49/00	<u>Delete:</u> The entire limiting references section.
H01J 29/84	Informative references		<p><u>Insert:</u> The following new <i>Informative reference</i> section and the following reference.</p> <p>References <i>Informative references</i> <i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Particle spectrometer or separator tubes H01J 49/00</p>
H01J 29/88	Limiting references	Luminescent screens H01J 29/18	<u>Delete:</u> This row from the Limiting references table.
H01J 31/00	Limiting references	<p>Tubes of H01J25/00, H01J 33/00 – H01J 49/00 H01J 25/00, H01J 33/00 – H01J 49/00</p> <p>Details of tubes of H01J 31/00 H01J 29/00</p> <p>Cathode-ray or electron stream lamps, in particular flat panel electron emission lamps as LCD backlight H01J 63/00</p> <p>Particle accelerators H05H 3/00 – H05H 15/00</p>	<p><u>Replace:</u> All existing references with the following new references.</p> <p>Transit-time tubes, X-ray tubes, Discharge tubes H01J25/00, H01J35/00, H01J37/00</p> <p>Details of cathode-ray tubes H01J29/00</p>
H01J 37/00	Limiting references	<p>Scanning tunneling microscopes G01Q 60/10</p> <p>X-ray microscopes wherein a (sub)-nanometre sized x-ray source is generated in an SEM-like apparatus by focusing an electron probe onto an x-ray transmissive target (cf. e.g. EP1557864) G21K 7/00</p>	<u>Delete:</u> These existing table rows from the Limiting references table.

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H01J 37/00	Informative references		<p><u>Insert:</u> The following new references into the existing Informative references table.</p> <p>Scanning tunneling microscopes G01Q 60/10</p> <p>X-ray microscopes wherein a (sub)-nanometre sized x-ray source is generated in an SEM-like apparatus by focusing an electron probe onto an x-ray transmissive target (cf. e.g. EP1557864) G21K 7/00</p>
H01J 37/00	Informative references	Testing of semiconductor devices during manufacture H01L21/66	<p><u>Replace</u> with following updated symbol.</p> <p>Testing of semiconductor devices during manufacture H01L22/00</p>
H01J 37/147	Informative references	Lenses H01J 37/10	<u>Delete:</u> This entire Informative references section.
H01J 37/147	Limiting references		<p><u>Insert:</u> The following new reference into the existing Limiting references table.</p> <p>Lenses H01J 37/10</p>
H01J 37/244	Limiting references	Detectors per se G01T	<u>Delete:</u> The Limiting references section and Delete the whole Definition
H01J 37/248	Limiting references	High voltage supply per se H02J , H02M	<u>Delete:</u> This existing table row from the Limiting references table.
H01J 37/28	Limiting references	Microanalysers using scanning beams H01J 37/256	<u>Delete:</u> This existing table row from the Limiting references table.
H01J 40/00	Limiting references	Photo-emissive cathodes per se H01J 1/34 Image pick-up cathode ray tubes having an input of visible light and electric output H01J 31/26 Electron-multiplier tubes H01J 43/00 Ionisation chamber tubes for determining the presence, intensity, density or energy of radiation or particles H01J 47/00	<u>Delete:</u> These existing table rows from the Limiting references table.
H01J 40/00	Informative references		<p><u>Insert:</u> The following new references into the existing Informative references table.</p> <p>Photo-emissive cathodes per se H01J 1/34 Electron-multiplier tubes H01J 43/00 Ionisation chamber tubes for determining the presence, intensity, density or energy of radiation or particles H01J 47/00</p>

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H01J 43/00	Limiting references	<p>Secondary-electron-emitting electrodes H01J1/32</p> <p>Manufacture of secondary-emission electrodes H01J9/125</p> <p>Secondary-electron emitting electrode arrangements in cathode ray tubes H01J29/023</p> <p>Measuring radiation intensity with secondary-emission detectors G01T1/28</p>	<u>Delete:</u> These existing table rows from the Limiting references table.
H01J 43/00	Informative references		<p><u>Insert:</u> The following new references into the existing Informative references table.</p> <p>Secondary-electron-emitting electrodes H01J1/32</p> <p>Manufacture of secondary-emission electrodes H01J9/125</p> <p>Secondary-electron emitting electrode arrangements in cathode ray tubes H01J29/023</p>
H01J 61/00	Limiting references	<p>DC plasma displays H01J17/00</p> <p>Cathode-ray or electron-stream lamps, a phosphor or a gas is brought to luminescence by an electron beam H01J63/00</p> <p>Lamps without any electrode inside the vessel; Lamps with at least one main electrode outside the vessel, electrodeless lamps H01J65/00</p> <p>Plasma discharge EUV light sources, in which a gas is locally compressed to create a discharge space and then allowed to expand into a vacuum H05G</p> <p>X-ray radiation generated from plasma, e. g. EUV light sources H05G2/001</p>	<u>Delete:</u> These existing table rows from the Limiting references table.

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H01J 61/00	Informative references		<p><u>Insert:</u> The following new references into the existing Informative references table.</p> <p>DC plasma displays H01J17/00</p> <p>Cathode-ray or electron-stream lamps, a phosphor or a gas is brought to luminescence by an electron beam H01J63/00</p> <p>Lamps without any electrode inside the vessel; Lamps with at least one main electrode outside the vessel, electrodeless lamps H01J65/00</p> <p>Plasma discharge EUV light sources, in which a gas is locally compressed to create a discharge space and then allowed to expand into a vacuum H05G</p> <p>X-ray radiation generated from plasma, e. g. EUV light sources H05G2/001</p>
H01J 61/64	Limiting references	Cathode glow lamps designed as tuning or voltage indicators H01J 17/40	<u>Delete:</u> The Limiting reference section and the entire Definition.
H01J 63/00	Limiting references	<p>Flying-spot tubes H01J 31/10</p> <p>Magic-eye tuning indicators H01J 31/14</p> <p>Lamps with incandescent body heated by the ray or stream H01K 11/00</p>	<u>Delete:</u> All the Limiting references and section.

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.