EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 549

DATE: AUGUST 1, 2018

PROJECT RP0145

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

| Action | Subclass | Group(s) |
|---|---|---|
| **SCHEME:** | | |
| Symbols Deleted Pending Reclassification: (frozen (F)): | G05B | 23/0202 |
| Symbols New: | G05B | 2223/00, 2223/02, 2223/04, 2223/06 |
| | | |
| Warnings New: | G05B | 23/0202, 23/0205 |
| | | |
| **DEFINITIONS:** | | |
| Definitions Modified: | G05B | 23/00 |

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

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

1. CLASSIFICATION SCHEME CHANGES

    &#8864; A. New, Modified or Deleted Group(s)

    &#8864; B. New, Modified or Deleted Warning(s)

    ☐ C. New, Modified or Deleted Note(s)

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

2. DEFINITIONS

    &#8864; A. New or Modified Definitions (Full definition template)

    ☐ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. &#8864; REVISION CONCORDANCE LIST (RCL)

4. &#8864; CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

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

CPC Form – v.5

1.  CLASSIFICATION SCHEME CHANGES

    A.  New, Modified or Deleted Group(s)


**SUBCLASS G05B – CONTROL OR REGULATING SYSTEMS IN GENERAL; FUNCTIONAL ELEMENTS OF SUCH SYSTEMS; MONITORING OR TESTING ARRANGEMENTS FOR SUCH SYSTEMS OR ELEMENTS**

| Type* | Symbol | Indent Level Number of dots (e.g. 0, 1, 2) | Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}** | Transferred to# |
|---|---|---|---|---|
| F | G05B 23/0202 | 2 | {in which a transfer function of a process is calculated} | G05B 23/0205, G05B 23/0208, G05B 23/021, G05B 23/0213,  G05B 23/0216, G05B 23/0218, G05B 23/0221, G05B 23/0224,  G05B 23/0227, G05B 23/0229, G05B 23/0232,  G05B 23/0235, G05B 23/0237, G05B 23/024, G05B 23/0243, G05B 23/0245, G05B 23/0248, G05B 23/0251, G05B 23/0254, G05B 23/0256, G05B 23/0259, G05B 23/0262, G05B 23/0264, G05B 23/0267, G05B 23/027, G05B 23/0272, G05B 23/0275, G05B 23/0278, G05B 23/0281, G05B 23/0283, G05B 23/0286, G05B 23/0289, G05B 23/0291, G05B 23/0294, G05B 23/0297 |
| U | G05B2219/50401 | 3 | In line work storage system | |
| N | G05B 2223/00 | 0 | Indexing scheme associated with group G05B 23/00 | |
| N | G05B 2223/02 | 1 | Indirect monitoring, e.g. monitoring production to detect faults of a system | |
| N | G05B 2223/04 | 1 | Detection of intermittent failure | |
| N | G05B 2223/06 | 1 | Remote monitoring | |

*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; E= 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

CPC Form – v.5

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 <u>subclasses</u>, 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} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme.  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 except "D" which requires only a symbol.
- #"Transferred to" column <u>must</u> 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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

DATE: AUGUST 1, 2018

PROJECT RP0145

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


**SUBCLASS G05B – CONTROL OR REGULATING SYSTEMS IN GENERAL; FUNCTIONAL ELEMENTS OF SUCH SYSTEMS; MONITORING OR TESTING ARRANGEMENTS FOR SUCH SYSTEMS OR ELEMENTS**

| Type* | Location | Old Warning notice | New/Modified Warning notice |
|---|---|---|---|
| N | G05B 23/0202 | | Group G05B 23/0202 is no longer used for the classification of documents as of August 1, 2018. The content of this group is being reclassified into groups G05B 23/0205 - G05B 23/0297. Groups G05B 23/0205 - G05B 23/0297 are incomplete pending reclassification from group G05B 23/0202. Groups G05B 23/0202 and G05B 23/0205 - G05B 23/0297 should be considered in order to perform a complete search. |
| N | G05B 23/0205 | | Groups G05B 23/0205 - G05B 23/0297 are incomplete pending reclassification of documents from group G05B 23/0202. Groups G05B 23/0202 and G05B 23/0205 - G05B 23/0297 should be considered in order to perform a complete search. |

*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.

# 2. A. DEFINITIONS (modified)

## G05B23/00

## Relationships with other classification places

Replace:    The existing Relationships with other classification places section
with the following.

> Group G05B 23/00 covers the monitoring (or testing) of the control of a
> system, not of the system as such. This means that testing the quality of
> a process, product or device should be classified in the corresponding
> application places, unless it involves decisions related to the control or
> monitoring of the process, product or device, in which case G05B 23/00
> should be attributed.

## References

## Limiting references

Delete:    All rows of the Limiting references table except the first row.

| | |
|---|---|
| Monitoring of programme-control systems | G05B 19/048, G05B 19/406 |

## Informative references

Insert:    The following fifteen rows in the Informative references table.

| | |
|---|---|
| Monitoring tool breakage, life or condition, including wear of a machine tool | G05B 19/4065 |
| Data acquisition during manufacturing | G05B 19/4183 |
| Control of the quality of the end product in a manufacturing process | G05B 19/41875 |

| Process diagnostics in road vehicle drive control systems | B60W 50/00 |
|---|---|
| Safety or indicating devices for abnormal conditions | F02D 41/22 |
| Testing vehicle engines | G01M 15/00 |
| Testing of electronic circuits | G01R 31/28 |
| Testing dynamo-electric machines | G01R 31/34 |
| Generation of clock signal, power supply for computers (including related diagnostics and monitoring aspects) | G06F 1/00 |
| Detecting defective computer hardware, usually applied to computers used in an office, non-industrial environment | G06F 11/267 |
| Error detection concerning software (i.e. debugging) usually applied to computers used in an office, non-industrial environment | G06F 11/36 |
| Image analysis for industrial inspection or for determining position or orientation of objects | G06T 7/0002, G06T 7/70 |
| Error checking in memories | G11C 29/00 |
| Fault management of packet-switched data network or network elements | H04L 41/06 |
| Monitoring/testing of packet-switched data network or network elements | H04L 43/00, H04L 43/50 |

# Special rules of classification

Replace:       The existing Special rules of classification section with the following.


Further classification is made in the indexing codes G05B 2223/00 whenever appropriate.

When classifying a document in group G05B 23/00, each of the branches G05B 23/0208, G05B 23/0218, and G05B 23/0259 should be considered for classification.

Each of the above-mentioned steps A-C should be considered for classification.

3.      REVISION CONCORDANCE LIST (RCL)

| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|-------|----------------------------|------------------|
| F | G05B 23/0202 | G05B 23/0205, G05B 23/0208, G05B 23/021, G05B 23/0213, G05B 23/0216, G05B 23/0218, G05B 23/0221, G05B 23/0224, G05B 23/0227, G05B 23/0229, G05B 23/0232,  G05B 23/0235, G05B 23/0237, G05B 23/024, G05B 23/0243, G05B 23/0245, G05B 23/0248, G05B 23/0251, G05B 23/0254, G05B 23/0256, G05B 23/0259, G05B 23/0262, G05B 23/0264, G05B 23/0267, G05B 23/027, G05B 23/0272, G05B 23/0275, G05B 23/0278, G05B 23/0281, G05B 23/0283, G05B 23/0286, G05B 23/0289, G05B 23/0291, G05B 23/0294, G05B 23/0297 |

\* 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; D = deleted entries.

NOTES:
- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the "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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

DATE: AUGUST 1, 2018

PROJECT RP0145

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

| **CPC** | **IPC** | **Action\*** |
|---|---|---|
| G05B 2223/00 | CPCONLY | NEW |
| G05B 2223/02 | CPCONLY | NEW |
| G05B 2223/04 | CPCONLY | NEW |
| G05B 2223/06 | CPCONLY | NEW |

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