

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1010

DATE: JANUARY 1, 2021

PROJECT MP0424

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: | G06K | 1/00, 1/02, 1/025, 1/04, 1/10, 1/12 |
| | G06K | 7/00, 7/015, 7/016 |
| | G06K | 13/00, 13/14, 13/18, |
| | G06K | 15/00 |
| | G06K | 17/00 |
| | G06K | 19/00, 19/073, 19/10, |
| | G06K | 21/00, 21/06 |
| | | |
| | | |
| DEFINITIONS: | | |
| Definitions New: | G06K | 1/02, 1/04, 1/10, 1/12 |
| | G06K | 7/015, 7/016 |
| | G06K | 13/14, 13/18 |
| | G06K | 21/06 |
| | | |
| Definitions Modified: | G06K | Subclass |
| | G06K | 1/00 |
| | G06K | 5/00 |
| | G06K | 7/00 |
| | G06K | 13/00 |
| | G06K | 15/00 |
| | G06K | 19/00, 19/063, 19/073, 19/10 |

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

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

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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 G06K - RECOGNITION OF DATA; 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> |
|--------------|---------------|---|---|------------------------|
| M | G06K1/00 | 0 | Methods or arrangements for marking the record carrier in digital fashion | |
| M | G06K1/02 | 1 | by punching | |
| M | G06K1/025 | 2 | {Details, e.g. construction of the punching mechanism} | |
| M | G06K1/04 | 2 | controlled by sensing markings on the record carrier being punched | |
| M | G06K1/10 | 3 | Tape punches | |
| M | G06K1/12 | 1 | otherwise than by punching | |
| M | G06K7/00 | 0 | Methods or arrangements for sensing record carriers, {e.g. for reading patterns} (G06K 9/00 takes precedence; methods or arrangements for marking the record carrier in digital fashion G06K 1/00) | |
| M | G06K7/015 | 2 | Aligning or centering of the sensing device with respect to the record carrier | |
| M | G06K7/016 | 2 | Synchronisation of sensing process | |
| M | G06K13/00 | 0 | Conveying record carriers from one station to another, e.g. from stack to punching mechanism (conveying record carriers combined with another operation, e.g. with reading G06K 17/00) | |
| M | G06K13/14 | 3 | Card magazines, e.g. pocket, hopper | |
| M | G06K13/18 | 1 | the record carrier being longitudinally extended, e.g. punched tape | |
| M | G06K15/00 | 0 | Arrangements for producing a permanent visual presentation of the output data {, e.g. computer output printers} (printing or plotting combined with another operation, e.g. with conveying, G06K 17/00) | |
| M | G06K17/00 | 0 | Methods or arrangements for effecting co-operative working between equipments covered by two or more of main groups G06K 1/00-G06K 15/00, e.g. automatic | |

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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> “CPC only” text should normally be enclosed in {curly brackets}** | <u>Transferred to#</u> |
|--------------|---------------|---|--|------------------------|
| | | | card files incorporating conveying and reading operations | |
| M | G06K19/00 | 0 | Record carriers for use with machines and with at least a part designed to carry digital markings | |
| M | G06K19/073 | 4 | Special arrangements for circuits, e.g. for protecting identification code in memory (protection against unauthorised use of computer memory G06F 12/14) | |
| M | G06K19/10 | 3 | at least one kind of marking being used for authentication, e.g. of credit or identity cards (verification of coded identity or credit cards in mechanisms actuated by them G07F 7/12) | |
| M | G06K21/00 | 0 | Information retrieval from punched cards designed for manual use or handling by machine (G06K 19/00 takes precedence; detection or correction of errors by rescanning patterns G06K 9/03; checking correct operation of card-conveying mechanisms G06K 13/06); Apparatus for handling such cards, e.g. marking or correcting | |
| M | G06K21/06 | 1 | Apparatus or tools adapted for slotting or otherwise marking information-retrieval cards | |

*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.

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- 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.

2. A. DEFINITIONS (new)

G06K1/02

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---------------------|------|
| punching in general | B26F |
|---------------------|------|

G06K1/04

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|----------------------------|-----------|
| sensing of record carriers | G06K 7/00 |
|----------------------------|-----------|

G06K1/10

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|--|------|
| especially adapted for a particular purpose, e.g. for telegraphy | H04L |
|--|------|

G06K1/12

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---------------------|------|
| printing in general | B41J |
|---------------------|------|

G06K7/015

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---|------|
| Information storage based on relative movement between record carrier and transducer in general | G11B |
|---|------|

G06K7/016

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---|------|
| Information storage based on relative movement between record carrier and transducer in general | G11B |
|---|------|

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G06K13/14

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---------------------------|----------------------|
| card magazines in general | B42F |
|---------------------------|----------------------|

G06K13/18

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---|----------------------------|
| features of interest apart from data processing | G11B |
| magnetic-tape drive | G11B 15/00 |

G06K21/06

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|----------------------------------|----------------------|
| tools for perforating in general | B26F |
|----------------------------------|----------------------|

DEFINITIONS (Modified)

G06K19/00

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Delete: Table row "Arrangements on smart cards for sensing fingerprints."

Insert: The following rows into the Informative references table

Replace: The word "access" in the row "Cards for automatic acces." The word "for" in the row "Record carriers made e.g. of paper..."

| | |
|---|---|
| Record carriers adapted for controlling specific machines, see the appropriate subclass for the machine | B23Q ; D03C ; G10F ; H04L |
| Form printing | B41 |
| File cards | B42F 19/00 |
| Arrangements on smart cards for sensing fingerprints | G06K 9/20 |
| Record carriers in general | G11 |

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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 | Limiting References | Printing per se B41J | Delete: Limiting references section |
| G06K | Informative References | | Insert: Printing per se B41J |
| G06K1/00 | Informative References | | Insert: Informative reference section and add the following reference: Translating markings on a record carrier into printed data on the same record carrier, i.e. Interpreting G06K3/02 |
| G06K5/00 | Limiting References | Devices for scanning or checking the printed matter for quality control B41F33/0045 Error detection or correction by redundancy in data representation, e.g. by using checking codes G06F11/00 Testing paper currency, securities, bonds or similar valuable papers for genuineness by testing patterns thereon, e.g. comparing to a reference in a memory G07D7/20 | Delete: Limiting references section |
| G06K5/00 | Informative References | | Insert: New Informative references section and the following references: |

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| | | | |
|-----------|------------------------|---|--|
| | | | <p>Devices for scanning or checking the printed matter for quality control B41F33/0045</p> <p>Error detection or correction by redundancy in data representation, e.g. by using checking codes G06F11/00</p> <p>Testing paper currency, securities, bonds or similar valuable papers for genuineness by testing patterns thereon, e.g. comparing to a reference in a memory G07D7/20</p> |
| G06K7/00 | Limiting Reference | | <p>Insert: New Limiting references section and the following references:</p> <p>Methods or arrangements for marking the record carrier in digital fashion G06K1/00</p> <p>Methods or arrangements for reading or recognising printed or written characters or for recognition patterns G06K9/00</p> |
| G06K7/00 | Informative Reference | Details of vessels, means for coding or identifying them F17C123/00 | Replace: F17C123/00 with F17C13/003 |
| G06K7/00 | Informative references | Optical elements, such as lenses G02B5/99 | Delete |
| G06K13/00 | Limiting References | | <p>Insert: Limiting references section and the following reference:</p> <p>Conveying record carriers combined with another operation, e.g. with reading G06K 17/00</p> |

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| | | | |
|-----------|------------------------|--|---|
| | | | |
| G06K13/00 | Informative References | | <p>Insert:</p> <p>Transport devices in general B65G</p> <p>Handling thin or filamentary material in general B65H</p> |
| G06K15/00 | Limiting References | <p>Photocomposing B41B 19/00</p> <p>Construction of print heads B41J 2/00</p> <p>Control and analysis of mechanical parameters involving printing test patterns B41J 29/393</p> <p>Light beam scanning systems using movable or deformable optical elements G02B 26/10</p> <p>Digital data processing in computers and related to printing G06F 3/12</p> <p>Two-dimensional image generation G06T 11/00</p> <p>Special arrangements for scanning and reproduction of pictures, e.g. photographs, facsimile H04N 1/00</p> | <p>Delete:</p> |
| G06K15/00 | Limiting references | | <p>Insert:</p> |

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| | | | |
|------------|------------------------|--|---|
| | | | Printing or plotting combined with another operation, e.g. with conveying G06K 17/00 |
| G06K15/00 | Informative Reference | | <p>Insert: New Informative references table and the following references:</p> <p>Photocomposing B41B19/00</p> <p>Construction of print heads B41J 2/00</p> <p>Control and analysis of mechanical parameters involving printing test patterns B41J 29/393</p> <p>Light beam scanning systems using movable or deformable optical elements G02B 26/10</p> <p>Digital data processing in computers and related to printing G06F 3/12</p> <p>Two-dimensional image generation G06T 11/00</p> <p>Special arrangements for scanning and reproduction of pictures involving their transmission, e.g. facsimile H04N1/00</p> |
| G06K19/063 | Limiting References | Relief-type marking G06K 2019/06271 | Delete: Limiting reference section |
| G06K19/063 | Informative References | | <p>Insert: New Informative references section and the following reference:</p> <p>Relief-type marking G06K 2019/06271</p> |

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| | | | |
|------------|------------------------|---|---|
| G06K19/073 | Limiting References | Security arrangements in computer systems G06F 21/00 Smart cards for payment G07F 7/10 Secure smart card communication using encryption H04L 9/00 | Delete: Security arrangements in computer systems G06F 21/00 Smart cards for payment G07F 7/10 Secure smart card communication using encryption H04L 9/00 |
| G06K19/073 | Limiting References | | Insert: Protection against unauthorised use of computer memory G06F 12/14 |
| G06K19/073 | Informative References | | Insert: New Informative references section and the following references: Security arrangements in computer systems G06F 21/00 Smart cards for payment G07F 7/10 Secure smart card communication using encryption H04L 9/00 |
| G06K19/10 | Limiting References | | Insert: New Limiting references section and the following new reference: Verification of coded identity or credit cards in mechanisms actuated by them G07F 7/12 |
| G06K 19/10 | Informative References | | Insert: |

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| | | | |
|--|--|--|---|
| | | | Identification cards not to be read by a machine B42D 25/00 |
|--|--|--|---|

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.