EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 764

DATE: JANUARY 1, 2020

PROJECT RP0650

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

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	G06F	17/20, 17/21, 17/211, 17/212, 17/214, 17/215, 17/217, 17/218, 17/22, 17/2205, 17/2211, 17/2217, 17/2223, 17/2229, 17/2235, 17/2241, 17/2247, 17/2252, 17/2258, 17/2264, 17/227, 17/2276, 17/2282, 17/2288, 17/2294, 17/24, 17/241, 17/242, 17/243, 17/245, 17/246, 17/247, 17/248, 17/25, 17/26, 17/27, 17/2705, 17/271, 17/2715, 17/272, 17/2725, 17/273, 17/2735, 17/274, 17/2745, 17/275, 17/2755, 17/276, 17/2765, 17/277, 17/2775, 17/278, 17/2785, 17/279, 17/2795, 17/28, 17/2809, 17/2818, 17/2827, 17/2836, 17/2845, 17/2854, 17/2863, 17/2872, 17/2881, 17/289
Symbols New:	G06F	40/00, 40/10, 40/103, 40/106, 40/109, 40/111, 40/114, 40/117, 40/12, 40/123, 40/126, 40/129, 40/131, 40/134, 40/137, 40/14, 40/143, 40/146, 40/149, 40/151, 40/154, 40/157, 40/16, 40/163, 40/166, 40/169, 40/171, 40/174, 40/177, 40/18, 40/183, 40/186, 40/189, 40/191, 40/194, 40/197, 40/20, 40/205, 40/211, 40/216, 40/221, 40/226, 40/232, 40/237, 40/242, 40/247, 40/253, 40/258, 40/263, 40/268, 40/274, 40/279, 40/284, 40/289, 40/295, 40/30, 40/35, 40/40, 40/42, 40/44, 40/45, 40/47, 40/49, 40/51, 40/53, 40/55, 40/56, 40/58
Warnings New:	G06F	40/14, 40/143, 40/20, 40/237
DEFINITIONS:		
Definitions Deleted:	G06F	17/20, 17/22, 17/2247
Definitions New:	G06F	40/00, 40/12, 40/14

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): G06K, G06Q, G06T, G07B, G09B, G10L, G11B, G16H, H03M, H04L, H04N

This Notice of Changes includes the following:

1. CLASSIFICATION SCHEME CHANGES

DATE: JANUARY 1, 2020

PROJECT RP0650

☒ 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)

1. CLASSIFICATION SCHEME CHANGES

  A. New, Modified or Deleted Group(s)

SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING (computer systems based on specific computational models G06N)

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#
D	G06F 17/20	1	Handling natural language data (speech analysis or synthesis G10L)	< administrative transfer to G06F 40/00 >
D	G06F 17/21	2	Text processing (G06F17/27, G06F17/28 take precedence; systems for composing machines B41B27/00)	< administrative transfer to G06F 40/10 >
D	G06F 17/211	3	{Formatting, i.e. changing of presentation of document (G06F17/25, G06F17/26 take precedence)}	< administrative transfer to G06F 40/103 >
D	G06F 17/212	4	{Display of layout of document; Preview}	< administrative transfer to G06F 40/106 >
D	G06F 17/214	4	{Font handling; Temporal and kinetic typography}	< administrative transfer to G06F 40/109 >
D	G06F 17/215	4	{Mathematical or scientific, subscripts, superscripts}	< administrative transfer to G06F 40/111 >
D	G06F 17/217	4	{Pagination}	< administrative transfer to G06F 40/114 >
D	G06F 17/218	4	{Tagging; Marking up (details of markup languages G06F17/22); Designating a block; Setting of attributes (style sheets, e.g. eXtensible Stylesheet Language Transformation (XSL-T) G06F17/227)}	< administrative transfer to G06F 40/117 >
D	G06F 17/22	3	Manipulating or registering by use of codes, e.g. in sequence of text characters {(compression H03M7/30)}	< administrative transfer to G06F 40/12 >
D	G06F 17/2205	4	{Storage facilities}	< administrative transfer to G06F 40/123 >
D	G06F 17/2211	4	{Calculation of differences between files}	< administrative transfer to G06F 40/194 >
D	G06F 17/2217	4	{Character encodings}	< administrative transfer to G06F 40/126 >
D	G06F 17/2223	5	{Handling non-latin characters, e.g. kana-to-kanji conversion}	< administrative transfer to G06F 40/129 >

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#
D	G06F 17/2229	4	{Fragmentation of text-files, e.g. reusable text-blocks, including linking to the fragments, XInclude, Namespaces}	< administrative transfer to G06F 40/131 >
D	G06F 17/2235	4	{Hyperlinking (information retrieval based on hyperlinks G06F16/94)}	< administrative transfer to G06F 40/134 >
D	G06F 17/2241	4	{Hierarchical processing, e.g. outlines}	< administrative transfer to G06F 40/137 >
D	G06F 17/2247	4	{Tree structured documents; Markup, e.g. Standard Generalized Markup Language [SGML], Document Type Definition [DTD] (validation and parsing G06F17/2705; data retrieval G06F16/00; coding and compression H03M7/30)}	< administrative transfer to G06F 40/14 >
D	G06F 17/2252	4	{Coding or compression of tree-structured data (coding and compression in general H03M7/30)}	< administrative transfer to G06F 40/146 >
D	G06F 17/2258	4	{Adaptation of the text data for streaming purposes, e.g. XStream}	< administrative transfer to G06F 40/149 >
D	G06F 17/2264	4	{Transformation}	< administrative transfer to G06F 40/151 >
D	G06F 17/227	5	{Tree transformation for tree-structured or markup documents, e.g. eXtensible Stylesheet Language Transformation (XSL-T) stylesheets, Omnimark, Balise}	< administrative transfer to G06F 40/154 >
D	G06F 17/2276	5	{using dictionaries or tables}	< administrative transfer to G06F 40/157 >
D	G06F 17/2282	5	{Automatic learning of transformation rules, e.g. by example}	< administrative transfer to G06F 40/16 >
D	G06F 17/2288	4	{Version control}	< administrative transfer to G06F 40/197 >
D	G06F 17/2294	4	{Handling of whitespace}	< administrative transfer to G06F 40/163 >
D	G06F 17/24	3	Editing, e.g. insert/delete {(G06F17/22 takes precedence)}	< administrative transfer to G06F 40/166 >
D	G06F 17/241	4	{Annotation, e.g. comment data, footnotes}	< administrative transfer to G06F 40/169 >
D	G06F 17/242	4	{by use of digital ink}	< administrative transfer to G06F 40/171 >
D	G06F 17/243	4	{Form filling; Merging, e.g. graphical processing of form or text}	< administrative transfer to G06F 40/174 >
D	G06F 17/245	4	{Tables; Ruled lines}	< administrative transfer to G06F 40/177 >
D	G06F 17/246	4	{Spreadsheets (relational data bases G06F16/284; form-filling G06F17/243)}	< administrative transfer to G06F 40/18 >
D	G06F 17/247	4	{Tabulation, e.g. one dimensional positioning}	< administrative transfer to G06F 40/183 >

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#
D	G06F 17/248	4	{Templates}	< administrative transfer to G06F 40/186 >
D	G06F 17/25	3	Automatic justification	< administrative transfer to G06F 40/189 >
D	G06F 17/26	3	Automatic hyphenation	< administrative transfer to G06F 40/191 >
D	G06F 17/27	2	Automatic analysis, e.g. parsing {(speech recognition, analysis or synthesis G10L)}	< administrative transfer to G06F 40/20 >
D	G06F 17/2705	3	{Parsing}	< administrative transfer to G06F 40/205 >
D	G06F 17/271	4	{Syntactic parsing, e.g. based on context-free grammar [CFG], unification grammars}	< administrative transfer to G06F 40/211 >
D	G06F 17/2715	4	{Statistical methods}	< administrative transfer to G06F 40/216 >
D	G06F 17/272	4	{Parsing markup language streams (streaming G06F17/2258)}	< administrative transfer to G06F 40/221 >
D	G06F 17/2725	4	{Validation}	< administrative transfer to G06F 40/226 >
D	G06F 17/273	3	{Orthographic correction, e.g. spelling checkers, vowelisation}	< administrative transfer to G06F 40/232 >
D	G06F 17/2735	3	{Dictionaries}	< administrative transfer to G06F 40/242 >
D	G06F 17/274	3	{Grammatical analysis; Style critique}	< administrative transfer to G06F 40/253 >
D	G06F 17/2745	3	{Heading extraction; Automatic titling, numbering}	< administrative transfer to G06F 40/258 >
D	G06F 17/275	3	{Language Identification}	< administrative transfer to G06F 40/263 >
D	G06F 17/2755	3	{Morphological analysis}	< administrative transfer to G06F 40/268 >
D	G06F 17/276	3	{Stenotyping, code gives word, guess-ahead for partial word input}	< administrative transfer to G06F 40/274 >
D	G06F 17/2765	3	{Recognition}	< administrative transfer to G06F 40/279 >
D	G06F 17/277	4	{Lexical analysis, e.g. tokenisation, collocates}	< administrative transfer to G06F 40/284 >
D	G06F 17/2775	4	{Phrasal analysis, e.g. finite state techniques, chunking}	< administrative transfer to G06F 40/289 >
D	G06F 17/278	5	{Named entity recognition}	< administrative transfer to G06F 40/295 >
D	G06F 17/2785	3	{Semantic analysis}	< administrative transfer to G06F 40/30 >
D	G06F 17/279	4	{Discourse representation}	< administrative transfer to G06F 40/35 >
D	G06F 17/2795	3	{Thesaurus; Synonyms}	< administrative transfer to G06F 40/247 >

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#
D	G06F 17/28	2	Processing or translating of natural language (G06F17/27 takes precedence)	< administrative transfer to G06F 40/40 >
D	G06F 17/2809	3	{Data driven translation}	< administrative transfer to G06F 40/42 >
D	G06F 17/2818	4	{Statistical methods, e.g. probability models}	< administrative transfer to G06F 40/44 >
D	G06F 17/2827	4	{Example based machine translation; Alignment}	< administrative transfer to G06F 40/45 >
D	G06F 17/2836	4	{Machine assisted translation, e.g. translation memory}	< administrative transfer to G06F 40/47 >
D	G06F 17/2845	4	{Using very large corpora, e.g. the world wide web [WWW]}	< administrative transfer to G06F 40/49 >
D	G06F 17/2854	3	{Translation evaluation}	< administrative transfer to G06F 40/51 >
D	G06F 17/2863	3	{Processing of non-latin text (kana-to-kanji conversion G06F17/2223, vowelisation G06F17/273)}	< administrative transfer to G06F 40/53 >
D	G06F 17/2872	3	{Rule based translation}	< administrative transfer to G06F 40/55 >
D	G06F 17/2881	4	{Natural language generation}	< administrative transfer to G06F 40/56 >
D	G06F 17/289	3	{Use of machine translation, e.g. multi-lingual retrieval, server side translation for client devices, real-time translation (data retrieval G06F16/00, administrative and business methods G06Q10/00, G06Q30/00)}	< administrative transfer to G06F 40/58 >
N	G06F 40/00	0	Handling natural language data (speech analysis or synthesis, speech recognition G10L)	
N	G06F 40/10	1	Text processing (natural language analysis G06F 40/20; semantic analysis G06F 40/30; processing or translation of natural language G06F 40/40)	
N	G06F 40/103	2	Formatting, i.e. changing of presentation of documents (automatic justification G06F 40/189; automatic line break hyphenation G06F 40/191)	
N	G06F 40/106	3	Display of layout of documents; Previewing	
N	G06F 40/109	3	Font handling; Temporal or kinetic typography	
N	G06F 40/111	3	Mathematical or scientific formatting; Subscripts; Superscripts	
N	G06F 40/114	3	Pagination	
N	G06F 40/117	3	Tagging; Marking up (details of markup languages G06F 40/143); Designating a block; Setting of attributes (style sheets, e.g.	

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#
			eXtensible Stylesheet Language Transformation [XSLT], G06F 40/154)	
N	G06F 40/12	2	Use of codes for handling textual entities	
N	G06F 40/123	3	Storage facilities	
N	G06F 40/126	3	Character encoding	
N	G06F 40/129	4	Handling non-Latin characters, e.g. kana-to-kanji conversion	
N	G06F 40/131	3	Fragmentation of text files, e.g. creating reusable text-blocks; Linking to fragments, e.g. using XInclude; Namespaces	
N	G06F 40/134	3	Hyperlinking	
N	G06F 40/137	3	Hierarchical processing, e.g. outlines	
Q	G06F 40/14	3	Tree-structured documents (parsing G06F 40/205; validation G06F 40/226)	G06F 40/14, G06F 40/143
N	G06F 40/143	4	Markup, e.g. Standard Generalized Markup Language [SGML] or Document Type Definition [DTD]	
N	G06F 40/146	4	Coding or compression of tree-structured data	
N	G06F 40/149	3	Adaptation of the text data for streaming purposes, e.g. Efficient XML Interchange [EXI] format	
N	G06F 40/151	3	Transformation	
N	G06F 40/154	4	Tree transformation for tree-structured or markup documents, e.g. XSLT, XSL-FO or stylesheets	
N	G06F 40/157	4	using dictionaries or tables	
N	G06F 40/16	4	Automatic learning of transformation rules, e.g. from examples	
N	G06F 40/163	3	Handling of whitespace	
N	G06F 40/166	2	Editing, e.g. inserting or deleting	
N	G06F 40/169	3	Annotation, e.g. comment data or footnotes	
N	G06F 40/171	3	by use of digital ink	
N	G06F 40/174	3	Form filling; Merging	
N	G06F 40/177	3	of tables; using ruled lines	
N	G06F 40/18	4	of spreadsheets (form-filling G06F 40/174)	
N	G06F 40/183	3	Tabulation, i.e. one-dimensional positioning	
N	G06F 40/186	3	Templates	
N	G06F 40/189	2	Automatic justification	
N	G06F 40/191	2	Automatic line break hyphenation	
N	G06F 40/194	2	Calculation of difference between files	
N	G06F 40/197	2	Version control (for software G06F 8/71)	
Q	G06F 40/20	1	Natural language analysis (semantic analysis of natural language G06F 40/30)	G06F 40/20, G06F 40/237
N	G06F 40/205	2	Parsing	
N	G06F 40/211	3	Syntactic parsing, e.g. based on context-free grammar [CFG] or unification grammars	

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#
N	G06F 40/216	3	using statistical methods	
N	G06F 40/221	3	Parsing markup language streams (streaming G06F 40/149)	
N	G06F 40/226	3	Validation	
N	G06F 40/232	2	Orthographic correction, e.g. spell checking or vowelisation	
N	G06F 40/237	2	Lexical tools	
N	G06F 40/242	3	Dictionaries	
N	G06F 40/247	3	Thesauruses; Synonyms	
N	G06F 40/253	2	Grammatical analysis; Style critique	
N	G06F 40/258	2	Heading extraction; Automatic titling; Numbering	
N	G06F 40/263	2	Language identification	
N	G06F 40/268	2	Morphological analysis	
N	G06F 40/274	2	Converting codes to words; Guess-ahead of partial word inputs	
N	G06F 40/279	2	Recognition of textual entities	
N	G06F 40/284	3	Lexical analysis, e.g. tokenisation or collocates	
N	G06F 40/289	3	Phrasal analysis, e.g. finite state techniques or chunking	
N	G06F 40/295	4	Named entity recognition	
N	G06F 40/30	1	Semantic analysis	
N	G06F 40/35	2	Discourse or dialogue representation	
N	G06F 40/40	1	Processing or translation of natural language (natural language analysis G06F 40/20; semantic analysis G06F 40/30)	
N	G06F 40/42	2	Data-driven translation	
N	G06F 40/44	3	Statistical methods, e.g. probability models	
N	G06F 40/45	3	Example-based machine translation; Alignment	
N	G06F 40/47	3	Machine-assisted translation, e.g. using translation memory	
N	G06F 40/49	3	using very large corpora, e.g. the web	
N	G06F 40/51	2	Translation evaluation	
N	G06F 40/53	2	Processing of non-Latin text (kana-to-kanji conversion G06F 40/129; vowelisation G06F 40/232)	
N	G06F 40/55	2	Rule-based translation	
N	G06F 40/56	3	Natural language generation	
N	G06F 40/58	2	Use of machine translation, e.g. for multi-lingual retrieval, for server-side translation for client devices or for real-time translation	

*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 <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).
- 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 <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>", "<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.

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

SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING (computer systems based on specific computational models G06N)

Type	Location	Old warning	New warning
N	G06F 40/14		Group G06F 40/14 is impacted by reclassification into group G06F 40/143. Groups G06F 40/14 and G06F 40/143 should be considered in order to perform a complete search.
N	G06F 40/143		Group G06F 40/143 is incomplete pending reclassification of documents from group G06F 40/14. Groups G06F 40/14 and G06F 40/143 should be considered in order to perform a complete search.
N	G06F 40/20		Group G06F 40/20 is impacted by reclassification into group G06F 40/237. Groups G06F 40/20 and G06F 40/237 should be considered in order to perform a complete search.
N	G06F 40/237		Group G06F 40/237 is incomplete pending reclassification of documents from group G06F 40/20. Groups G06F 40/20 and G06F 40/237 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

Insert: The following new Definitions

G06F40/00

Definition statement

This place covers:

- Text and natural language processing,
- Natural language understanding and translation,
- Processing of markup language,
- Spreadsheets.

Relationships with other classification places

The mere use of XML or other markup language, e.g. as a file format for functional data such as configuration files, should not be classified here, but rather in the field in which the data is actually used.

References:

Limiting references:

This place does not cover:

Speech analysis or synthesis, speech recognition	G10L

Informative references:

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

Tape/Label printers (hardware)	B41J3/4075
Input/output for Oriental characters	G06F 3/018
Predictive input	G06F 3/0237
Digital ink, low-level/hardware aspects thereof	G06F 3/04883
Printing (job control, etc.)	G06F 3/12

Parser generation for computer code	G06F8/37
Translation, e.g. compilation, of computer code	G06F8/40
Parsing of computer code	G06F8/427
Multilingual user interfaces	G06F 9/454
Text retrieval, creation of semantic tools	G06F 16/30
Thesaurus (creation for retrieval)	G06F 16/374
Retrieval of semistructured data	G06F 16/80
Website content management	G06F 16/958
Translation to/from Braille or sign language	G09B 21/00
Character generators for displays	G09G 5/22
Compression/encoding of unstructured text	H03M 7/30

Synonyms and Keywords

In patent documents, the following abbreviations are often used:

| XML | Extensible Markup Language |

G06F 40/12

Definition statement

This place covers:

Manipulation of document(s) content or structure where the visual appearance or natural-language content does not play a role.

References:

Informative references:

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

| Compression | H03M 7/30 |

G06F40/14

Definition statement

This place covers:

Processing of tree-structured text documents, where the tree structure and the textual nature are both significant.

References:

Limiting references:

This place does not cover:

Parsing of natural language data	G06F 40/205
Validation of natural language data	G06F 40/226

Informative references:

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

Retrieval of semi-structured data	G06F 16/80
Compression	H03M 7/30

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
G06F17/20	Definition		**Delete** the entire Definition section
G06F17/22	Definition		**Delete** the entire Definition section
G06F17/2247	Definition		**Delete** the entire Definition 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.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06F 17/20	< administrative transfer to G06F 40/00 >
D	G06F 17/21	< administrative transfer to G06F 40/10 >
D	G06F 17/211	< administrative transfer to G06F 40/103 >
D	G06F 17/212	< administrative transfer to G06F 40/106 >
D	G06F 17/214	< administrative transfer to G06F 40/109 >
D	G06F 17/215	< administrative transfer to G06F 40/111 >
D	G06F 17/217	< administrative transfer to G06F 40/114 >
D	G06F 17/218	< administrative transfer to G06F 40/117 >
D	G06F 17/22	< administrative transfer to G06F 40/12 >
D	G06F 17/2205	< administrative transfer to G06F 40/123 >
D	G06F 17/2211	< administrative transfer to G06F 40/194 >
D	G06F 17/2217	< administrative transfer to G06F 40/126 >
D	G06F 17/2223	< administrative transfer to G06F 40/129 >
D	G06F 17/2229	< administrative transfer to G06F 40/131 >
D	G06F 17/2235	< administrative transfer to G06F 40/134 >
D	G06F 17/2241	< administrative transfer to G06F 40/137 >
D	G06F 17/2247	< administrative transfer to G06F 40/14 >
D	G06F 17/2252	< administrative transfer to G06F 40/146 >
D	G06F 17/2258	< administrative transfer to G06F 40/149 >
D	G06F 17/2264	< administrative transfer to G06F 40/151 >
D	G06F 17/227	< administrative transfer to G06F 40/154 >
D	G06F 17/2276	< administrative transfer to G06F 40/157 >
D	G06F 17/2282	< administrative transfer to G06F 40/16 >
D	G06F 17/2288	< administrative transfer to G06F 40/197 >
D	G06F 17/2294	< administrative transfer to G06F 40/163 >
D	G06F 17/24	< administrative transfer to G06F 40/166 >
D	G06F 17/241	< administrative transfer to G06F 40/169 >
D	G06F 17/242	< administrative transfer to G06F 40/171 >
D	G06F 17/243	< administrative transfer to G06F 40/174 >
D	G06F 17/245	< administrative transfer to G06F 40/177 >
D	G06F 17/246	< administrative transfer to G06F 40/18 >
D	G06F 17/247	< administrative transfer to G06F 40/183 >
D	G06F 17/248	< administrative transfer to G06F 40/186 >
D	G06F 17/25	< administrative transfer to G06F 40/189 >
D	G06F 17/26	< administrative transfer to G06F 40/191 >
D	G06F 17/27	< administrative transfer to G06F 40/20 >
D	G06F 17/2705	< administrative transfer to G06F 40/205 >
D	G06F 17/271	< administrative transfer to G06F 40/211 >
D	G06F 17/2715	< administrative transfer to G06F 40/216 >
D	G06F 17/272	< administrative transfer to G06F 40/221 >
D	G06F 17/2725	< administrative transfer to G06F 40/226 >
D	G06F 17/273	< administrative transfer to G06F 40/232 >
D	G06F 17/2735	< administrative transfer to G06F 40/242 >
D	G06F 17/274	< administrative transfer to G06F 40/253 >
D	G06F 17/2745	< administrative transfer to G06F 40/258 >
D	G06F 17/275	< administrative transfer to G06F 40/263 >

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06F 17/2755	< administrative transfer to G06F 40/268 >
D	G06F 17/276	< administrative transfer to G06F 40/274 >
D	G06F 17/2765	< administrative transfer to G06F 40/279 >
D	G06F 17/277	< administrative transfer to G06F 40/284 >
D	G06F 17/2775	< administrative transfer to G06F 40/289 >
D	G06F 17/278	< administrative transfer to G06F 40/295 >
D	G06F 17/2785	< administrative transfer to G06F 40/30 >
D	G06F 17/279	< administrative transfer to G06F 40/35 >
D	G06F 17/2795	< administrative transfer to G06F 40/247 >
D	G06F 17/28	< administrative transfer to G06F 40/40 >
D	G06F 17/2809	< administrative transfer to G06F 40/42 >
D	G06F 17/2818	< administrative transfer to G06F 40/44 >
D	G06F 17/2827	< administrative transfer to G06F 40/45 >
D	G06F 17/2836	< administrative transfer to G06F 40/47 >
D	G06F 17/2845	< administrative transfer to G06F 40/49 >
D	G06F 17/2854	< administrative transfer to G06F 40/51 >
D	G06F 17/2863	< administrative transfer to G06F 40/53 >
D	G06F 17/2872	< administrative transfer to G06F 40/55 >
D	G06F 17/2881	< administrative transfer to G06F 40/56 >
D	G06F 17/289	< administrative transfer to G06F 40/58 >
Q	G06F 40/14	G06F 40/14, G06F 40/143
Q	G06F 40/20	G06F 40/20, G06F 40/237

* 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; 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 17/20		DELETE
G06F 17/21		DELETE
G06F 17/211		DELETE
G06F 17/212		DELETE
G06F 17/214		DELETE
G06F 17/215		DELETE
G06F 17/217		DELETE
G06F 17/218		DELETE
G06F 17/22		DELETE
G06F 17/2205		DELETE
G06F 17/2211		DELETE
G06F 17/2217		DELETE
G06F 17/2223		DELETE
G06F 17/2229		DELETE
G06F 17/2235		DELETE
G06F 17/2241		DELETE
G06F 17/2247		DELETE
G06F 17/2252		DELETE
G06F 17/2258		DELETE
G06F 17/2264		DELETE
G06F 17/227		DELETE
G06F 17/2276		DELETE
G06F 17/2282		DELETE
G06F 17/2288		DELETE
G06F 17/2294		DELETE
G06F 17/24		DELETE
G06F 17/241		DELETE
G06F 17/242		DELETE
G06F 17/243		DELETE
G06F 17/245		DELETE
G06F 17/246		DELETE
G06F 17/247		DELETE
G06F 17/248		DELETE
G06F 17/25		DELETE
G06F 17/26		DELETE
G06F 17/27		DELETE
G06F 17/2705		DELETE
G06F 17/271		DELETE
G06F 17/2715		DELETE
G06F 17/272		DELETE

CPC	IPC	Action*
G06F 17/2725		DELETE
G06F 17/273		DELETE
G06F 17/2735		DELETE
G06F 17/274		DELETE
G06F 17/2745		DELETE
G06F 17/275		DELETE
G06F 17/2755		DELETE
G06F 17/276		DELETE
G06F 17/2765		DELETE
G06F 17/277		DELETE
G06F 17/2775		DELETE
G06F 17/278		DELETE
G06F 17/2785		DELETE
G06F 17/279		DELETE
G06F 17/2795		DELETE
G06F 17/28		DELETE
G06F 17/2809		DELETE
G06F 17/2818		DELETE
G06F 17/2827		DELETE
G06F 17/2836		DELETE
G06F 17/2845		DELETE
G06F 17/2854		DELETE
G06F 17/2863		DELETE
G06F 17/2872		DELETE
G06F 17/2881		DELETE
G06F 17/289		DELETE
G06F 40/00	G06F 40/00	NEW
G06F 40/10	G06F 40/10	NEW
G06F 40/103	G06F 40/103	NEW
G06F 40/106	G06F 40/106	NEW
G06F 40/109	G06F 40/109	NEW
G06F 40/111	G06F 40/111	NEW
G06F 40/114	G06F 40/114	NEW
G06F 40/117	G06F 40/117	NEW
G06F 40/12	G06F 40/12	NEW
G06F 40/123	G06F 40/123	NEW
G06F 40/126	G06F 40/126	NEW
G06F 40/129	G06F 40/129	NEW
G06F 40/131	G06F 40/131	NEW
G06F 40/134	G06F 40/134	NEW
G06F 40/137	G06F 40/137	NEW
G06F 40/14	G06F 40/14	NEW
G06F 40/143	G06F 40/143	NEW
G06F 40/146	G06F 40/146	NEW
G06F 40/149	G06F 40/149	NEW

CPC	IPC	Action*
G06F 40/151	G06F 40/151	NEW
G06F 40/154	G06F 40/154	NEW
G06F 40/157	G06F 40/157	NEW
G06F 40/16	G06F 40/16	NEW
G06F 40/163	G06F 40/163	NEW
G06F 40/166	G06F 40/166	NEW
G06F 40/169	G06F 40/169	NEW
G06F 40/171	G06F 40/171	NEW
G06F 40/174	G06F 40/174	NEW
G06F 40/177	G06F 40/177	NEW
G06F 40/18	G06F 40/18	NEW
G06F 40/183	G06F 40/183	NEW
G06F 40/186	G06F 40/186	NEW
G06F 40/189	G06F 40/189	NEW
G06F 40/191	G06F 40/191	NEW
G06F 40/194	G06F 40/194	NEW
G06F 40/197	G06F 40/197	NEW
G06F 40/20	G06F 40/20	NEW
G06F 40/205	G06F 40/205	NEW
G06F 40/211	G06F 40/211	NEW
G06F 40/216	G06F 40/216	NEW
G06F 40/221	G06F 40/221	NEW
G06F 40/226	G06F 40/226	NEW
G06F 40/232	G06F 40/232	NEW
G06F 40/237	G06F 40/237	NEW
G06F 40/242	G06F 40/242	NEW
G06F 40/247	G06F 40/247	NEW
G06F 40/253	G06F 40/253	NEW
G06F 40/258	G06F 40/258	NEW
G06F 40/263	G06F 40/263	NEW
G06F 40/268	G06F 40/268	NEW
G06F 40/274	G06F 40/274	NEW
G06F 40/279	G06F 40/279	NEW
G06F 40/284	G06F 40/284	NEW
G06F 40/289	G06F 40/289	NEW
G06F 40/295	G06F 40/295	NEW
G06F 40/30	G06F 40/30	NEW
G06F 40/35	G06F 40/35	NEW
G06F 40/40	G06F 40/40	NEW
G06F 40/42	G06F 40/42	NEW
G06F 40/44	G06F 40/44	NEW
G06F 40/45	G06F 40/45	NEW
G06F 40/47	G06F 40/47	NEW
G06F 40/49	G06F 40/49	NEW
G06F 40/51	G06F 40/51	NEW

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CPC	**IPC**	**Action***
G06F 40/53	G06F 40/53	NEW
G06F 40/55	G06F 40/55	NEW
G06F 40/56	G06F 40/56	NEW
G06F 40/58	G06F 40/58	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.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Action; New reference symbol; New text
G06F16/94	G06F17/2235	**REPLACE** the text and symbol with: Hyperlinking G06F40/134

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06F3/018	G06F17/2223	Limiting references	**REPLACE** the text and symbol with: Handling non-Latin characters, e.g. kana-to-kanji conversion G06F40/129
G06F3/018	G06F17/2863	Limiting references	**REPLACE** the symbol with: G06F40/53
G06F3/018	G06F17/20	Relationship with other classification places	**REPLACE** the symbol with: G06F40/00
G06F3/0237	G06F17/276	Limiting references	**REPLACE** the text and symbol with: Converting codes to words or guess-ahead of partial word inputs G06F40/274
G06F3/04886	G06F17/276	Informative references	**REPLACE** the text and symbol with: Converting codes to words or guess-ahead of partial word inputs G06F40/274
G06F3/1243	G06F17/24	Informative references	**REPLACE** the text and symbol with: Editing, e.g. inserting or deleting G06F40/166
G06F3/125	G06F17/217	Informative references	**REPLACE** the symbol with: G06F40/114
G06F3/16	G06F17/20	Informative references	**REPLACE** the symbol with: G06F40/00
G06F8/31	G06F17/28	Informative references	**REPLACE** the text and symbol with: Processing or translation of natural language G06F40/40
G06F8/33	G06F17/21	Informative references	**REPLACE** the symbol with: G06F40/10

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
G06F8/427	G06F17/20	Informative references	**REPLACE** the text and symbol with: Parsing markup language streams G06F40/221
G06F8/658	G06F17/2211	Informative references	**REPLACE** the text and symbol with: Calculation of difference between files G06F40/194
G06F8/71	G06F17/2288	Informative references	**REPLACE** the text and symbol with: Version control for text documents G06F40/197
G06F9/454	G06F17/28	Informative references	**REPLACE** the text and symbol with: Processing or translation of natural language G06F40/40
G06F9/45508	G06F17/28	Informative references	**REPLACE** the text and symbol with: Handling natural language data G06F40/00
G06F9/54	G06F17/22	Informative references	**REPLACE** the symbol with: G06F40/10
G06K9/00	G06F17/20	Limiting references	**REPLACE** the text and symbol with: Natural language analysis or classification of text G06F40/20; G06F16/00
G06Q10/00	G06F17/246	Informative references	**REPLACE** the text and symbol with: Editing of spreadsheets G06F40/18
G06Q10/00	G06F17/21	Limiting references	**REPLACE** the text and symbol with: Text processing or form filling G06F40/10 , G06F40/174
G06Q10/02	G06F17/21	Limiting references	**REPLACE** the text and symbol with: Text processing or form filling G06F40/10 , G06F40/174
G06Q10/04	G06F17/245	Limiting references	**REPLACE** the text and symbol with: Editing of spreadsheets G06F40/18
G06Q10/06316	G06F17/243	Informative references	**REPLACE** the text and symbol with: Help presentation to a user during form filling G06F40/174
G06Q10/067	G06F17/247	Informative references	**REPLACE** the symbol with: G06F40/183
G06Q50/22	G06F17/243	Informative references	**REPLACE** the symbol with: G06F40/174
G06Q50/22	G06F17/246	Informative references	**REPLACE** the text and symbol with:

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
			Editing of spreadsheets G06F40/18
G06T11/203	G06F17/214	Limiting references	**REPLACE** the text and symbol with: Font handling; Temporal or kinetic typography G06F40/109
G06T11/60	G06F17/21	Limiting references	**REPLACE** the text and symbol with: Formatting, i.e. changing of presentation of documents G06F40/103
G06T11/60	G06F17/24	Limiting references	**REPLACE** the text and symbol with: Form filling or merging of text G06F40/174
G06T13/205	G06F17/20	Informative references	**REPLACE** the symbol with: G06F40/00
G07B17/00	G06F17/26	Limiting references	**REPLACE** the symbol with: G07F17/26
G09B19/0053	G06F17/243	Relationship	**REPLACE** the symbol with: G06F40/174
G09B19/06	G06F17/28	Informative references	**REPLACE** the text and symbol with: Processing or translation of natural G06F40/40
G10L	G06F17/20	Limiting references	**REPLACE** the symbol with: G06F40/00
G10L13/00	G06F17/28	Informative references	**REPLACE** the text and symbol with: Processing or translation of natural language G06F40/40
G10L13/027	G06F17/28	Limiting references	**REPLACE** the text and symbol with: Processing or translation of natural language G06F40/40
G10L15/00	G06F17/20	Informative references	**REPLACE** the symbol with: G06F40/00
G10L15/00	G06F17/20	Informative references	**DELETE** informative reference "Natural language processing G06F17/20"
G11B27/00	G06F17/241	Informative references	**REPLACE** the text and symbol with: Annotations to text, e.g. comment data or footnotes G06F40/169
G16H10/20	G06F17/21	Informative references	**REPLACE** the symbol with: G06F40/10

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H03M7/00	G06F17/22	Informative references	**REPLACE** the symbol with: G06F40/12
H04L67/36	G06F17/2247	Informative references	**REPLACE** the text and symbol with: Markup languages for text documents G06F40/143
H04L69/06	G06F17/2247	Informative references	**REPLACE** the text and symbol with: Markup languages for text documents G06F40/143
H04N1/387	G06F17/20	Informative references	**REPLACE** the symbol with: G06F40/10
H04N1/387	G06F17/217	Informative references	**REPLACE** the text and symbol with: Pagination G06F40/114

NOTES:
- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions <u>inside</u> 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.
- 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.