

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 770

DATE: JANUARY 1, 2020

PROJECT RP0648

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	G06F	17/50, 17/5004, 17/5009, 17/5013, 17/5018, 17/5022, 17/5027, 17/5031, 17/5036, 17/504, 17/5045, 17/505, 17/5054, 17/5059, 17/5063, 17/5068, 17/5072, 17/5077, 17/5081, 17/5086, 17/509, 17/5095
	G06F	2217/00, 2217/02, 2217/04, 2217/06, 2217/08, 2217/10, 2217/12, 2217/14, 2217/16, 2217/32, 2217/34, 2217/36, 2217/38, 2217/40, 2217/41, 2217/42, 2217/44, 2217/46, 2217/62, 2217/64, 2217/66, 2217/68, 2217/70, 2217/72, 2217/74, 2217/76, 2217/78, 2217/80, 2217/82, 2217/84, 2217/86
Symbols New:	G06F	30/00, 30/10, 30/12, 30/13, 30/15, 30/17, 30/18, 30/20, 30/22, 30/23, 30/25, 30/27, 30/28, 30/30, 30/31, 30/32, 30/323, 30/327, 30/33, 30/3308, 30/331, 30/3312, 30/3315, 30/3323, 30/333, 30/337, 30/34, 30/343, 30/347, 30/35, 30/36, 30/367, 30/373, 30/38, 30/39, 30/392, 30/394, 30/3947, 30/3953, 30/396, 30/398
	G06F	2111/00, 2111/02, 2111/04, 2111/06, 2111/08, 2111/10, 2111/12, 2111/14, 2111/16, 2111/18, 2111/20
	G06F	2113/00, 2113/02, 2113/04, 2113/06, 2113/08, 2113/10, 2113/12, 2113/14, 2113/16, 2113/18, 2113/20, 2113/22, 2113/24, 2113/26, 2113/28
	G06F	2115/00, 2115/02, 2115/04, 2115/06, 2115/08, 2115/10, 2115/12
	G06F	2117/00, 2117/02, 2117/04, 2117/06, 2117/08, 2117/10, 2117/12
	G06F	2119/00, 2119/02, 2119/04, 2119/06, 2119/08, 2119/10, 2119/12, 2119/14, 2119/16, 2119/18, 2119/20, 2119/22
Warnings New:	G06F	30/00, 30/10, 30/12, 30/17, 30/18, 30/20, 30/23, 30/25, 30/27, 30/28, 30/30, 30/31, 30/32, 30/323, 30/327, 30/33, 30/3308, 30/3312, 30/3315, 30/333, 30/337, 30/34, 30/343, 30/347, 30/36, 30/367, 30/373,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		30/38, 30/39, 30/392, 30/394, 30/3947, 30/3953, 30/396, 30/398
	G06F	2111/00, 2113/00, 2115/00, 2117/00, 2117/04, 2119/00
Notes New:	G06F	30/00
Guidance Headings New:	G06F	2111/00, 2113/00, 2115/00, 2117/00, 2119/00
DEFINITIONS:		
Definitions Deleted:	G06F	17/50, 17/5009, 17/5018, 17/5022, 17/5027, 17/5031, 17/5036, 17/504, 17/5045, 17/505, 17/5054, 17/5081, 17/5086, 17/509

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): A41H, A61B, A61C, A63B, B29C, B63B, B64F, F16H, F28F, G01N, G01R, G01V, G02C, G03F, G05B, G06F, G06N, G06Q, G06T, G09G, G16C, G16H, H01L, H03K, H04R, H05K

This Notice of Changes includes the following/:

1. CLASSIFICATION SCHEME CHANGES

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

2. DEFINITIONS

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

- 3. REVISION CONCORDANCE LIST (RCL)
- 4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
- 5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING (computer systems based on specific computational models G06N)**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	G06F 17/50	1	Computer-aided design	< administrative transfer to G06F 30/00 >
D	G06F 17/5004	2	{Architectural design, e.g. building design}	< administrative transfer to G06F 30/13 >
D	G06F 17/5009	2	{using simulation}	< administrative transfer to G06F 30/20 >
D	G06F 17/5013	3	{using petri net models}	< administrative transfer to G06F 30/22>
D	G06F 17/5018	3	{using finite difference methods or finite element methods (picture mesh generation G06T17/20)}	< administrative transfer to G06F 30/23>
D	G06F 17/5022	3	{Logic simulation, e.g. for logic circuit operation (fault-simulation G06F11/261; test pattern synthesising G06F11/263)}	< administrative transfer to G06F 30/33 >
D	G06F 17/5027	4	{Logic emulation using reprogrammable logic devices, e.g. field programmable gate arrays [FPGA]}	< administrative transfer to G06F 30/331 >
D	G06F 17/5031	4	{Timing analysis}	< administrative transfer to G06F 30/3312 >
D	G06F 17/5036	3	{for analog modelling, e.g. for circuits, spice programme, direct methods, relaxation methods}	< administrative transfer to G06F 30/367 >
D	G06F 17/504	3	{Formal methods}	< administrative transfer to G06F 30/3323 >
D	G06F 17/5045	2	{Circuit design (G06F 17/5068 takes precedence; logic circuits H03K19/00)}	< administrative transfer to G06F 30/30 >
D	G06F 17/505	3	{Logic synthesis, e.g. technology mapping, optimisation}	< administrative transfer to G06F 30/327>
D	G06F 17/5054	3	{for user-programmable logic devices, e.g. field programmable gate arrays [FPGA]}	< administrative transfer to G06F 30/34 >
D	G06F 17/5059	3	{Delay-insensitive circuit design, e.g. asynchronous, self-timed}	< administrative transfer to G06F 30/35>
D	G06F 17/5063	3	{Analog circuit design, e.g. amplifiers}	< administrative transfer to G06F 30/36 >
D	G06F 17/5068	2	{Physical circuit design, e.g. layout for integrated circuits or printed circuit boards}	< administrative transfer to G06F 30/39 >

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D	G06F 17/5072	3	{Floorplanning, e.g. partitioning, placement}	< administrative transfer to G06F 30/392>
D	G06F 17/5077	3	{Routing}	< administrative transfer to G06F 30/394 >
D	G06F 17/5081	3	{Layout analysis, e.g. layout verification, design rule check}	< administrative transfer to G06F 30/398>
D	G06F 17/5086	2	{Mechanical design, e.g. parametric or variational design}	< administrative transfer to G06F 30/17 >
D	G06F 17/509	2	{Network design, e.g. positioning, routing, graphs (circuit design G06F 17/5068)}	< administrative transfer to G06F 30/18 >
D	G06F 17/5095	2	{Vehicle design, e.g. aircraft or automotive design}	< administrative transfer to G06F 30/15 >
Q	G06F 30/00	0	Computer-aided design [CAD]	G06F 30/00, G06F 30/10, G06F 30/12, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10,

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				G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/10	1	Geometric CAD	
N	G06F 30/12	2	characterised by design entry means specially adapted for CAD, e.g. graphical user interfaces [GUI] specially adapted for CAD	
N	G06F 30/13	2	Architectural design, e.g. computer-aided architectural design [CAAD] related to design of buildings, bridges, landscapes, production plants or roads	
N	G06F 30/15	2	Vehicle, aircraft or watercraft design	
Q	G06F 30/17	2	Mechanical parametric or variational design	G06F 30/12, G06F 30/17, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06,

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				G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/18	2	Network design, e.g. design based on topological or interconnect aspects of utility systems, piping, heating ventilation air conditioning [HVAC] or cabling (circuit design at the physical level G06F 30/39; network planning tools for wireless communication networks H04W 16/18)	G06F 30/12, G06F 30/18, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14,

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				G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/20	1	Design optimisation, verification or simulation (optimisation, verification or simulation of circuit designs G06F 30/30)	G06F 30/20, G06F 30/25, G06F 30/27,

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				G06F 30/28, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10,

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				G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/22	2	using Petri net models	
Q	G06F 30/23	2	using finite element methods [FEM] or finite difference methods [FDM]	G06F 30/23, G06F 30/25, G06F 30/367, G06F 30/398, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04,

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				G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/25	2	using particle-based methods	
N	G06F 30/27	2	using machine learning, e.g. artificial intelligence, neural networks, support vector machines [SVM] or training a model	
N	G06F 30/28	2	using fluid dynamics, e.g. using Navier-Stokes equations or computational fluid dynamics [CFD]	
Q	G06F 30/30	1	Circuit design	G06F 30/30, G06F 30/31, G06F 30/32, G06F 30/323, G06F 30/333, G06F 30/337, G06F 30/34, G06F 30/343, G06F 30/347, G06F 30/38, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04,

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				G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/31	2	Design entry, e.g. editors specifically adapted for circuit design	
N	G06F 30/32	2	Circuit design at the digital level (reconfigurable circuits G06F 30/34)	
N	G06F 30/323	3	Translation or migration, e.g. logic to logic, hardware description language [HDL] translation or netlist translation	

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Q	G06F 30/327	3	Logic synthesis; Behaviour synthesis, e.g. mapping logic, HDL to netlist, high-level language to RTL or netlist	G06F 30/323, G06F 30/327, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08,

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				G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/33	3	Design verification, e.g. functional simulation or model checking	G06F 30/33, G06F 30/3308, G06F 30/3315, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06,

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				G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/3308	4	using simulation	
N	G06F 30/331	5	with hardware acceleration, e.g. by using field programmable gate array [FPGA] or emulation	
Q	G06F 30/3312	5	Timing analysis	G06F 30/3312, G06F 30/3315, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/3315	4	using static timing analysis [STA]	
N	G06F 30/3323	4	using formal methods, e.g. equivalence checking or property checking	
N	G06F 30/333	3	Design for testability [DFT], e.g. scan chain or built-in self-test [BIST]	
N	G06F 30/337	3	Design optimisation	
Q	G06F 30/34	2	for reconfigurable circuits, e.g. field programmable gate arrays [FPGA] or programmable logic devices [PLD]	G06F 30/31, G06F 30/34, G06F 30/343, G06F 30/347, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/343	3	Logical level	
N	G06F 30/347	3	Physical level, e.g. placement or routing	
N	G06F 30/35	2	Delay-insensitive circuit design, e.g. asynchronous or self-timed	
Q	G06F 30/36	2	Circuit design at the analogue level	G06F 30/31,

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				G06F 30/36, G06F 30/373, G06F 30/38, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/367	3	Design verification, e.g. using simulation, simulation program with integrated circuit emphasis [SPICE], direct methods or relaxation methods	
N	G06F 30/373	3	Design optimisation	
N	G06F 30/38	2	Circuit design at the mixed level of analogue and digital signals	
Q	G06F 30/39	2	Circuit design at the physical level (physical level design for reconfigurable circuits G06F 30/347)	G06F 30/347, G06F 30/39, G06F 30/396, G06F 30/398, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/392	3	Floor-planning or layout, e.g. partitioning or placement	G06F 30/392, G06F 30/396, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/394	3	Routing (G06F 30/396 takes precedence)	G06F 30/394, G06F 30/3947, G06F 30/3953, G06F 30/396, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00,

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
N	G06F 30/3947	4	global	
N	G06F 30/3953	4	detailed	
Q	G06F 30/396	3	Clock trees	G06F 30/396, G06F 2117/04
N	G06F 30/398	3	Design verification or optimisation, e.g. using design rule check [DRC], layout versus schematics [LVS] or finite element	

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			methods [FEM] (optical proximity correction [OPC] design processes G03F 1/36)	
N	G06F 2111/00	0	Details relating to CAD techniques	
N	G06F 2111/02	1	CAD in a network environment, e.g. collaborative CAD or distributed simulation	
N	G06F 2111/04	1	Constraint-based CAD	
N	G06F 2111/06	1	Multi-objective optimisation, e.g. Pareto optimisation using simulated annealing [SA], ant colony algorithms or genetic algorithms [GA]	
N	G06F 2111/08	1	Probabilistic or stochastic CAD	
N	G06F 2111/10	1	Numerical modelling	
N	G06F 2111/12	1	Symbolic schematics	
N	G06F 2111/14	1	related to nanotechnology	
N	G06F 2111/16	1	Customisation or personalisation	
N	G06F 2111/18	1	using virtual or augmented reality	
N	G06F 2111/20	1	Configuration CAD, e.g. designing by assembling or positioning modules selected from libraries of predesigned modules	
N	G06F 2113/00	0	Details relating to the application field	
N	G06F 2113/02	1	Data centres	
N	G06F 2113/04	1	Power grid distribution networks	
N	G06F 2113/06	1	Wind turbines or wind farms	
N	G06F 2113/08	1	Fluids	
N	G06F 2113/10	1	Additive manufacturing, e.g. 3D printing	
N	G06F 2113/12	1	Cloth	
N	G06F 2113/14	1	Pipes	
N	G06F 2113/16	1	Cables, cable trees or wire harnesses	
N	G06F 2113/18	1	Chip packaging	
N	G06F 2113/20	1	Packaging, e.g. boxes or containers	
N	G06F 2113/22	1	Moulding	
N	G06F 2113/24	1	Sheet material	
N	G06F 2113/26	1	Composites	
N	G06F 2113/28	1	Fuselage, exterior or interior	
N	G06F 2115/00	0	Details relating to the type of the circuit	
N	G06F 2115/02	1	System on chip [SoC] design	
N	G06F 2115/04	1	Micro electro-mechanical systems [MEMS]	
N	G06F 2115/06	1	Structured ASICs	
N	G06F 2115/08	1	Intellectual property [IP] blocks or IP cores	
N	G06F 2115/10	1	Processors	
N	G06F 2115/12	1	Printed circuit boards [PCB] or multi-chip modules [MCM]	
N	G06F 2117/00	0	Details relating to the type or aim of the circuit design	

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N	G06F 2117/02	1	Fault tolerance, e.g. for transient fault suppression	
N	G06F 2117/04	1	Clock gating	
N	G06F 2117/06	1	Spare resources, e.g. for permanent fault suppression	
N	G06F 2117/08	1	HW-SW co-design, e.g. HW-SW partitioning	
N	G06F 2117/10	1	Buffer insertion	
N	G06F 2117/12	1	Sizing, e.g. of transistors or gates	
N	G06F 2119/00	0	Details relating to the type or aim of the analysis or the optimisation	
N	G06F 2119/02	1	Reliability analysis or reliability optimisation; Failure analysis, e.g. worst case scenario performance, failure mode and effects analysis [FMEA]	
N	G06F 2119/04	1	Ageing analysis or optimisation against ageing	
N	G06F 2119/06	1	Power analysis or power optimisation	
N	G06F 2119/08	1	Thermal analysis or thermal optimisation	
N	G06F 2119/10	1	Noise analysis or noise optimisation	
N	G06F 2119/12	1	Timing analysis or timing optimisation	
N	G06F 2119/14	1	Force analysis or force optimisation, e.g. static or dynamic forces	
N	G06F 2119/16	1	Equivalence checking	
N	G06F 2119/18	1	Manufacturability analysis or optimisation for manufacturability	
N	G06F 2119/20	1	Design reuse, reusability analysis or reusability optimisation	
N	G06F 2119/22	1	Yield analysis or yield optimisation	
D	G06F 2217/00	0	Indexing scheme relating to computer aided design [CAD]	< administrative transfer to G06F 2111/00 >
D	G06F 2217/02	1	Component-based CAD	< administrative transfer to G06F 2111/20>
D	G06F 2217/04	1	CAD in a network environment	< administrative transfer to G06F 2111/02 >
D	G06F 2217/06	1	Constraint-based CAD	< administrative transfer to G06F 2111/04 >
D	G06F 2217/08	1	Multi-objective optimization	< administrative transfer to G06F 2111/06>
D	G06F 2217/10	1	Probabilistic or stochastic CAD	< administrative transfer to G06F 2111/08 >
D	G06F 2217/12	1	Design for manufacturability	< administrative transfer to G06F 2119/18 >
D	G06F 2217/14	1	Design for testability	< administrative transfer to G06F 30/333 INV>

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D	G06F 2217/16	1	Numerical modeling	< administrative transfer to G06F 2111/10 >
D	G06F 2217/32	1	Cloth	< administrative transfer to G06F 2113/12 >
D	G06F 2217/34	1	Pipes	< administrative transfer to G06F 2113/14 >
D	G06F 2217/36	1	Cables, cable trees, wire harnesses	< administrative transfer to G06F 2113/16 >
D	G06F 2217/38	1	Packaging	< administrative transfer to G06F 2113/20 >
D	G06F 2217/40	1	Chip packaging	< administrative transfer to G06F 2113/18 >
D	G06F 2217/41	1	Molding	< administrative transfer to G06F 2113/22 >
D	G06F 2217/42	1	Sheet material	< administrative transfer to G06F 2113/24 >
D	G06F 2217/44	1	Composites	< administrative transfer to G06F 2113/26 >
D	G06F 2217/46	1	Fuselage	< administrative transfer to G06F 2113/28 >
D	G06F 2217/62	1	Clock network	< administrative transfer to G06F 30/396 INV>
D	G06F 2217/64	1	Structured ASICs	< administrative transfer to G06F 2115/06 >
D	G06F 2217/66	1	IP blocks	< administrative transfer to G06F 2115/08 >
D	G06F 2217/68	1	Processors	< administrative transfer to G06F 2115/10 >
D	G06F 2217/70	1	Fault tolerant, i.e. transient fault suppression	< administrative transfer to G06F 2117/02 >
D	G06F 2217/72	1	Spare resources, i.e. permanent fault suppression	< administrative transfer to G06F 2117/06 >
D	G06F 2217/74	1	Symbolic schematics	< administrative transfer to G06F 2111/12 >
D	G06F 2217/76	1	Ageing analysis and optimization	< administrative transfer to G06F 2119/04 >
D	G06F 2217/78	1	Power analysis and optimization	< administrative transfer to G06F 2119/06 >
D	G06F 2217/80	1	Thermal analysis and optimization	< administrative transfer to G06F 2119/08 >
D	G06F 2217/82	1	Noise analysis and optimization	< administrative transfer to G06F 2119/10 >
D	G06F 2217/84	1	Timing analysis and optimization	< administrative transfer to G06F 2119/12 >
D	G06F 2217/86	1	Hardware-Software co-design	< administrative transfer to G06F 2117/08 >

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*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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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 30/00		Group G06F 30/00 is impacted by reclassification into groups G06F 30/10, G06F 30/12, G06F 2111/00-G06F 2119/22. Groups G06F 30/00, G06F 30/10, G06F 30/12, and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/10		Group G06F 30/10 is incomplete pending reclassification of documents from group G06F 30/00. Groups G06F 30/00 and G06F 30/10 should be considered in order to perform a complete search.
N	G06F 30/12		Group G06F 30/12 is incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, and G06F 30/18. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 30/17		Group G06F 30/17 is impacted by reclassification into groups G06F 30/12 and G06F 2111/00-G06F 2119/22. Groups G06F 30/17, G06F 30/12 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/18		Group G06F 30/18 is impacted by reclassification into groups G06F 30/12 and G06F 2111/00-G06F 2119/22. Groups G06F 30/18, G06F 30/12 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/20		Group G06F 30/20 is impacted by reclassification into groups G06F 30/25, G06F 30/27, G06F 30/28 and G06F 2111/00-G06F 2119/22. Groups G06F 30/20, G06F 30/25, G06F 30/27, G06F 30/28 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/23		Group G06F 30/23 is impacted by reclassification into groups G06F 30/25, G06F 30/367, G06F 30/398 and G06F 2111/00-G06F 2119/22. Groups G06F 30/23,

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			G06F 30/25, G06F 30/367, G06F 30/398 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/25		Group G06F 30/25 is incomplete pending reclassification of documents from groups G06F 30/20 and G06F 30/23. Groups G06F 30/20, G06F 30/23, and G06F 30/25 should be considered in order to perform a complete search.
N	G06F 30/27		Group G06F 30/27 is incomplete pending reclassification of documents from group G06F 30/20. Groups G06F 30/20 and G06F 30/27 should be considered in order to perform a complete search.
N	G06F 30/28		Group G06F 30/28 is incomplete pending reclassification of documents from group G06F 30/20. Groups G06F 30/20 and G06F 30/28 should be considered in order to perform a complete search.
N	G06F 30/30		Group G06F 30/30 is impacted by reclassification into groups G06F 30/31, G06F 30/32, G06F 30/323, G06F 30/333, G06F 30/337, G06F 30/34, G06F 30/343, G06F 30/347, G06F 30/38 and G06F 2111/00-G06F 2119/22. Groups G06F 30/30, G06F 30/31, G06F 30/32, G06F 30/323, G06F 30/333, G06F 30/337, G06F 30/34, G06F 30/343, G06F 30/347, G06F 30/38 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/31		Group G06F 30/31 is incomplete pending reclassification of documents from groups G06F 30/30, G06F 30/34, and G06F 30/36. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 30/32		Group G06F 30/32 is incomplete pending reclassification of documents from group G06F 30/30. Groups G06F 30/30 and G06F 30/32 should be considered in order to perform a complete search.
N	G06F 30/323		Group G06F 30/323 is incomplete pending reclassification of documents from groups G06F 30/30 and G06F 30/327. Groups G06F 30/30, G06F 30/327, and G06F 30/323 should be considered in order to perform a complete search.
N	G06F 30/327		Group G06F 30/327 is impacted by reclassification into groups G06F 30/323 and G06F 2111/00-G06F 2119/22. Groups G06F 30/327, G06F 30/323 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.

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N	G06F 30/33		Group G06F 30/33 is impacted by reclassification into groups G06F 30/3308, G06F 30/3315 and G06F 2111/00-G06F 2119/22. Groups G06F 30/33, G06F 30/3308, G06F 30/3315 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/3308		Group G06F 30/3308 is incomplete pending reclassification of documents from group G06F 30/33. Groups G06F 30/33 and G06F 30/3308 should be considered in order to perform a complete search.
N	G06F 30/3312		Group G06F 30/3312 is impacted by reclassification into groups G06F 30/3315 and G06F 2111/00-G06F 2119/22. Groups G06F 30/3312, G06F 30/3315 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/3315		Group G06F 30/3315 is incomplete pending reclassification of documents from groups G06F 30/33 and G06F 30/3312. Groups G06F 30/33, G06F 30/3312, and G06F 30/3315 should be considered in order to perform a complete search.
N	G06F 30/333		Group G06F 30/333 is incomplete pending reclassification of documents from group G06F 30/30. Groups G06F 30/30 and G06F 30/333 should be considered in order to perform a complete search.
N	G06F 30/337		Group G06F 30/337 is incomplete pending reclassification of documents from group G06F 30/30. Groups G06F 30/30 and G06F 30/337 should be considered in order to perform a complete search.
N	G06F 30/34		Group G06F 30/34 is incomplete pending reclassification of documents from group G06F 30/30. Group G06F 30/34 is impacted by reclassification into groups G06F 30/31, G06F 30/343, G06F 30/347 and G06F 2111/00-G06F 2119/22. Groups G06F 30/34, G06F 30/31, G06F 30/343, G06F 30/347 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/343		Group G06F 30/343 is incomplete pending reclassification of documents from groups G06F 30/30 and G06F 30/34. Groups G06F 30/30, G06F 30/34, and G06F 30/343 should be considered in order to perform a complete search.
N	G06F 30/347		Group G06F 30/347 is incomplete pending reclassification of documents from groups G06F 30/30, G06F 30/34, and G06F 30/39. Groups G06F 30/347,

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			G06F 30/30, G06F 30/34 and G06F 30/39 should be considered in order to perform a complete search.
N	G06F 30/36		Group G06F 30/36 is impacted by reclassification into groups G06F 30/31, G06F 30/373, G06F 30/38 and G06F 2111/00-G06F 2119/22. Groups G06F 30/36, G06F 30/31, G06F 30/373, G06F 30/38 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/367		Group G06F 30/367 is incomplete pending reclassification of documents from group G06F 30/23. Groups G06F 30/23 and G06F 30/367 should be considered in order to perform a complete search.
N	G06F 30/373		Group G06F 30/373 is incomplete pending reclassification of documents from group G06F 30/36. Groups G06F 30/36 and G06F 30/373 should be considered in order to perform a complete search.
N	G06F 30/38		Group G06F 30/38 is incomplete pending reclassification of documents from groups G06F 30/30 and G06F 30/36. Groups G06F 30/30, G06F 30/36, and G06F 30/38 should be considered in order to perform a complete search.
N	G06F 30/39		Group G06F 30/39 is impacted by reclassification into groups G06F 30/347, G06F 30/396, G06F 30/398 and G06F 2111/00-G06F 2119/22. Groups G06F 30/39, G06F 30/347, G06F 30/396, G06F 30/398 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/392		Group G06F 30/392 is impacted by reclassification into groups G06F 30/396 and G06F 2111/00-G06F 2119/22. Groups G06F 30/392, G06F 30/396 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/394		Group G06F 30/394 is impacted by reclassification into groups G06F 30/3947, G06F 30/3953, G06F 30/396 and G06F 2111/00-G06F 2119/22. Groups G06F 30/394, G06F 30/3947, G06F 30/3953, G06F 30/396 and G06F 2111/00-G06F 2119/22 should be considered in order to perform a complete search.
N	G06F 30/3947		Group G06F 30/3947 is incomplete pending reclassification of documents from group G06F 30/394. Groups G06F 30/394 and G06F 30/3947 should be considered in order to perform a complete search.
N	G06F 30/3953		Group G06F 30/3953 is incomplete pending reclassification of documents from group G06F 30/394.

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			Groups G06F 30/394 and G06F 30/3953 should be considered in order to perform a complete search.
N	G06F 30/396		Group G06F 30/396 is incomplete pending reclassification of documents from groups G06F 30/39, G06F 30/392, and G06F 30/394. Group G06F 30/396 is also impacted by reclassification into group G06F 2117/04. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 30/398		Group G06F 30/398 is incomplete pending reclassification of documents from groups G06F 30/23 and G06F 30/39. Groups G06F 30/23, G06F 30/39 and G06F 30/398 should be considered in order to perform a complete search.
N	G06F2111/00		Groups G06F 2111/00 - G06F 2111/20 are incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, G06F 30/18, G06F 30/20, G06F 30/23, G06F 30/30, G06F 30/327, G06F 30/33, G06F 30/3312, G06F 30/34, G06F 30/36, G06F 30/39, G06F 30/392, and G06F 30/394. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F2113/00		Groups G06F 2113/00 - G06F 2113/28 are incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, G06F 30/18, G06F 30/20, G06F 30/23, G06F 30/30, G06F 30/327, G06F 30/33, G06F 30/3312, G06F 30/34, G06F 30/36, G06F 30/39, G06F 30/392, and G06F 30/394. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F2115/00		Groups G06F 2115/00 - G06F 2115/12 are incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, G06F 30/18, G06F 30/20, G06F 30/23, G06F 30/30, G06F 30/327, G06F 30/33, G06F 30/3312, G06F 30/34, G06F 30/36, G06F 30/39, G06F 30/392, and G06F 30/394. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F2117/00		Groups G06F 2117/00 - G06F 2117/12 are incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, G06F 30/18, G06F 30/20, G06F 30/23, G06F 30/30, G06F 30/327, G06F 30/33, G06F 30/3312, G06F 30/34, G06F 30/36, G06F 30/39, G06F 30/392, and G06F 30/394. All groups listed in this

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			Warning should be considered in order to perform a complete search.
N	G06F2117/04		Group G06F 2117/04 is incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, G06F 30/18, G06F 30/20, G06F 30/23, G06F 30/30, G06F 30/327, G06F 30/33, G06F 30/3312, G06F 30/34, G06F 30/36, G06F 30/39, G06F 30/392, G06F 30/394, and G06F 30/396. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F2119/00		Groups G06F 2119/00 - G06F 2119/22 are incomplete pending reclassification of documents from groups G06F 30/00, G06F 30/17, G06F 30/18, G06F 30/20, G06F 30/23, G06F 30/30, G06F 30/327, G06F 30/33, G06F 30/3312, G06F 30/34, G06F 30/36, G06F 30/39, G06F 30/392, and G06F 30/394. All groups listed in this Warning 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.

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C. New, Modified or Deleted Note(s)

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

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G06F 30/00		In this group, it is desirable to add the indexing codes of groups G06F 2111/00-G06F 2119/00.

*N = new note, M = modified note, D = deleted note

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

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

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

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
N	G06F 2111/00 - G06F 2111/20		Indexing scheme associated with group G06F 30/00, relating to CAD techniques
N	G06F 2113/00 - G06F 2113/28		Indexing scheme associated with group G06F 30/00, relating to the application field
N	G06F 2115/00 - G06F 2115/12		Indexing scheme associated with group G06F 30/00, relating to the type of the circuit
N	G06F 2117/00 - G06F 2117/12		Indexing scheme associated with group G06F 30/00, relating to the type or aim of the circuit design
N	G06F 2119/00 -G06F 2119/22		Indexing scheme associated with group G06F 30/00, relating to the purpose – mostly applicable to circuits – but also relevant for general CAD

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

NOTES:

- The “Location” column requires the symbol AFTER the guidance heading location. No further directions such as “before” or “after” are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the “Location” column. For example, the guidance heading “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen” encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the “Location” column as follows: 398/00 to be included under the guidance heading: “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen.”

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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>
G06F 17/50	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5009	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5018	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5022	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5027	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5031	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5036	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/504	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5045	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/505	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5054	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5081	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/5086	Entire definition	Entire definition	DELETE: Entire definition
G06F 17/509	Entire definition	Entire definition	DELETE:

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			Entire definition
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NOTES:

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

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G06F 17/50	< administrative transfer to G06F 30/00 >
D	G06F 17/5004	< administrative transfer to G06F 30/13 >
D	G06F 17/5009	< administrative transfer to G06F 30/20 >
D	G06F 17/5013	< administrative transfer to G06F 30/22 >
D	G06F 17/5018	< administrative transfer to G06F 30/23 >
D	G06F 17/5022	< administrative transfer to G06F 30/33 >
D	G06F 17/5027	< administrative transfer to G06F 30/331 >
D	G06F 17/5031	< administrative transfer to G06F 30/3312 >
D	G06F 17/5036	< administrative transfer to G06F 30/367 >
D	G06F 17/504	< administrative transfer to G06F 30/3323 >
D	G06F 17/5045	< administrative transfer to G06F 30/30 >
D	G06F 17/505	< administrative transfer to G06F 30/327 >
D	G06F 17/5054	< administrative transfer to G06F 30/34 >
D	G06F 17/5059	< administrative transfer to G06F 30/35 >
D	G06F 17/5063	< administrative transfer to G06F 30/36 >
D	G06F 17/5068	< administrative transfer to G06F 30/39 >
D	G06F 17/5072	< administrative transfer to G06F 30/392 >
D	G06F 17/5077	< administrative transfer to G06F 30/394 >
D	G06F 17/5081	< administrative transfer to G06F 30/398 >
D	G06F 17/5086	< administrative transfer to G06F 30/17 >
D	G06F 17/509	< administrative transfer to G06F 30/18 >
D	G06F 17/5095	< administrative transfer to G06F 30/15 >
Q	G06F 30/00	G06F 30/00, G06F 30/10, G06F 30/12, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22

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Q	G06F 30/17	G06F 30/12, G06F 30/17, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/18	G06F 30/12, G06F 30/18, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/20	G06F 30/20, G06F 30/25, G06F 30/27, G06F 30/28, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
Q	G06F 30/23	G06F 30/23, G06F 30/25, G06F 30/367, G06F 30/398, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/30	G06F 30/30, G06F 30/31, G06F 30/32, G06F 30/323, G06F 30/333, G06F 30/337, G06F 30/34, G06F 30/343, G06F 30/347, G06F 30/38, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/327	G06F 30/323, G06F 30/327, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	G06F 30/33	G06F 30/33, G06F 30/3308, G06F 30/3315, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/3312	G06F 30/3312, G06F 30/3315, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/34	G06F 30/31, G06F 30/34, G06F 30/343, G06F 30/347, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	G06F 30/36	G06F 30/31, G06F 30/36, G06F 30/373, G06F 30/38, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/39	G06F 30/347, G06F 30/39, G06F 30/396, G06F 30/398, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/392	G06F 30/392, G06F 30/396, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
Q	G06F 30/394	G06F 30/394, G06F 30/3947, G06F 30/3953, G06F 30/396, G06F 2111/00, G06F 2111/02, G06F 2111/04, G06F 2111/06, G06F 2111/08, G06F 2111/10, G06F 2111/12, G06F 2111/14, G06F 2111/16, G06F 2111/18, G06F 2111/20, G06F 2113/00, G06F 2113/02, G06F 2113/04, G06F 2113/06, G06F 2113/08, G06F 2113/10, G06F 2113/12, G06F 2113/14, G06F 2113/16, G06F 2113/18, G06F 2113/20, G06F 2113/22, G06F 2113/24, G06F 2113/26, G06F 2113/28, G06F 2115/00, G06F 2115/02, G06F 2115/04, G06F 2115/06, G06F 2115/08, G06F 2115/10, G06F 2115/12, G06F 2117/00, G06F 2117/02, G06F 2117/04, G06F 2117/06, G06F 2117/08, G06F 2117/10, G06F 2117/12, G06F 2119/00, G06F 2119/02, G06F 2119/04, G06F 2119/06, G06F 2119/08, G06F 2119/10, G06F 2119/12, G06F 2119/14, G06F 2119/16, G06F 2119/18, G06F 2119/20, G06F 2119/22
Q	G06F 30/396	G06F 30/396, G06F 2117/04
D	G06F 2217/00	< administrative transfer to G06F 2111/00 >
D	G06F 2217/02	< administrative transfer to G06F 2111/20 >
D	G06F 2217/04	< administrative transfer to G06F 2111/02 >
D	G06F 2217/06	< administrative transfer to G06F 2111/04 >
D	G06F 2217/08	< administrative transfer to G06F 2111/06 >
D	G06F 2217/10	< administrative transfer to G06F 2111/08 >
D	G06F 2217/12	< administrative transfer to G06F 2119/18 >
D	G06F 2217/14	< administrative transfer to G06F 30/333 INV >
D	G06F 2217/16	< administrative transfer to G06F 2111/10 >
D	G06F 2217/32	< administrative transfer to G06F 2113/12 >
D	G06F 2217/34	< administrative transfer to G06F 2113/14 >
D	G06F 2217/36	< administrative transfer to G06F 2113/16 >
D	G06F 2217/38	< administrative transfer to G06F 2113/20 >
D	G06F 2217/40	< administrative transfer to G06F 2113/18 >
D	G06F 2217/41	< administrative transfer to G06F 2113/22 >
D	G06F 2217/42	< administrative transfer to G06F 2113/24 >
D	G06F 2217/44	< administrative transfer to G06F 2113/26 >
D	G06F 2217/46	< administrative transfer to G06F 2113/28 >
D	G06F 2217/62	< administrative transfer to G06F 30/396 INV >
D	G06F 2217/64	< administrative transfer to G06F 2115/06 >
D	G06F 2217/66	< administrative transfer to G06F 2115/08 >
D	G06F 2217/68	< administrative transfer to G06F 2115/10 >
D	G06F 2217/70	< administrative transfer to G06F 2117/02 >
D	G06F 2217/72	< administrative transfer to G06F 2117/06 >
D	G06F 2217/74	< administrative transfer to G06F 2111/12 >
D	G06F 2217/76	< administrative transfer to G06F 2119/04 >
D	G06F 2217/78	< administrative transfer to G06F 2119/06 >
D	G06F 2217/80	< administrative transfer to G06F 2119/08 >
D	G06F 2217/82	< administrative transfer to G06F 2119/10 >
D	G06F 2217/84	< administrative transfer to G06F 2119/12 >
D	G06F 2217/86	< administrative transfer to G06F 2117/08 >

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

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

NOTES:

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

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 17/50		DELETE
G06F 17/5004		DELETE
G06F 17/5009		DELETE
G06F 17/5013		DELETE
G06F 17/5018		DELETE
G06F 17/5022		DELETE
G06F 17/5027		DELETE
G06F 17/5031		DELETE
G06F 17/5036		DELETE
G06F 17/504		DELETE
G06F 17/5045		DELETE
G06F 17/505		DELETE
G06F 17/5054		DELETE
G06F 17/5059		DELETE
G06F 17/5063		DELETE
G06F 17/5068		DELETE
G06F 17/5072		DELETE
G06F 17/5077		DELETE
G06F 17/5081		DELETE
G06F 17/5086		DELETE
G06F 17/509		DELETE
G06F 17/5095		DELETE
G06F 30/00	G06F 30/00	NEW
G06F 30/10	G06F 30/10	NEW
G06F 30/12	G06F 30/12	NEW
G06F 30/13	G06F 30/13	NEW
G06F 30/15	G06F 30/15	NEW
G06F 30/17	G06F 30/17	NEW
G06F 30/18	G06F 30/18	NEW
G06F 30/20	G06F 30/20	NEW
G06F 30/22	G06F 30/22	NEW
G06F 30/23	G06F 30/23	NEW
G06F 30/25	G06F 30/25	NEW
G06F 30/27	G06F 30/27	NEW
G06F 30/28	G06F 30/28	NEW
G06F 30/30	G06F 30/30	NEW
G06F 30/31	G06F 30/31	NEW
G06F 30/32	G06F 30/32	NEW
G06F 30/323	G06F 30/323	NEW
G06F 30/327	G06F 30/327	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 30/33	G06F 30/33	NEW
G06F 30/3308	G06F 30/3308	NEW
G06F 30/331	G06F 30/331	NEW
G06F 30/3312	G06F 30/3312	NEW
G06F 30/3315	G06F 30/3315	NEW
G06F 30/3323	G06F 30/3323	NEW
G06F 30/333	G06F 30/333	NEW
G06F 30/337	G06F 30/337	NEW
G06F 30/34	G06F 30/34	NEW
G06F 30/343	G06F 30/343	NEW
G06F 30/347	G06F 30/347	NEW
G06F 30/35	G06F 30/35	NEW
G06F 30/36	G06F 30/36	NEW
G06F 30/367	G06F 30/367	NEW
G06F 30/373	G06F 30/373	NEW
G06F 30/38	G06F 30/38	NEW
G06F 30/39	G06F 30/39	NEW
G06F 30/392	G06F 30/392	NEW
G06F 30/394	G06F 30/394	NEW
G06F 30/3947	G06F 30/3947	NEW
G06F 30/3953	G06F 30/3953	NEW
G06F 30/396	G06F 30/396	NEW
G06F 30/398	G06F 30/398	NEW
G06F 2111/00	G06F 111/00	NEW
G06F 2111/02	G06F 111/02	NEW
G06F 2111/04	G06F 111/04	NEW
G06F 2111/06	G06F 111/06	NEW
G06F 2111/08	G06F 111/08	NEW
G06F 2111/10	G06F 111/10	NEW
G06F 2111/12	G06F 111/12	NEW
G06F 2111/14	G06F 111/14	NEW
G06F 2111/16	G06F 111/16	NEW
G06F 2111/18	G06F 111/18	NEW
G06F 2111/20	G06F 111/20	NEW
G06F 2113/00	G06F 113/00	NEW
G06F 2113/02	G06F 113/02	NEW
G06F 2113/04	G06F 113/04	NEW
G06F 2113/06	G06F 113/06	NEW
G06F 2113/08	G06F 113/08	NEW
G06F 2113/10	G06F 113/10	NEW
G06F 2113/12	G06F 113/12	NEW
G06F 2113/14	G06F 113/14	NEW
G06F 2113/16	G06F 113/16	NEW
G06F 2113/18	G06F 113/18	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 2113/20	G06F 113/20	NEW
G06F 2113/22	G06F 113/22	NEW
G06F 2113/24	G06F 113/24	NEW
G06F 2113/26	G06F 113/26	NEW
G06F 2113/28	G06F 113/28	NEW
G06F 2115/00	G06F 115/00	NEW
G06F 2115/02	G06F 115/02	NEW
G06F 2115/04	G06F 115/04	NEW
G06F 2115/06	G06F 115/06	NEW
G06F 2115/08	G06F 115/08	NEW
G06F 2115/10	G06F 115/10	NEW
G06F 2115/12	G06F 115/12	NEW
G06F 2117/00	G06F 117/00	NEW
G06F 2117/02	G06F 117/02	NEW
G06F 2117/04	G06F 117/04	NEW
G06F 2117/06	G06F 117/06	NEW
G06F 2117/08	G06F 117/08	NEW
G06F 2117/10	G06F 117/10	NEW
G06F 2117/12	G06F 117/12	NEW
G06F 2119/00	G06F 119/00	NEW
G06F 2119/02	G06F 119/02	NEW
G06F 2119/04	G06F 119/04	NEW
G06F 2119/06	G06F 119/06	NEW
G06F 2119/08	G06F 119/08	NEW
G06F 2119/10	G06F 119/10	NEW
G06F 2119/12	G06F 119/12	NEW
G06F 2119/14	G06F 119/14	NEW
G06F 2119/16	G06F 119/16	NEW
G06F 2119/18	G06F 119/18	NEW
G06F 2119/20	G06F 119/20	NEW
G06F 2119/22	G06F 119/22	NEW
G06F 2217/00		DELETE
G06F 2217/02		DELETE
G06F 2217/04		DELETE
G06F 2217/06		DELETE
G06F 2217/08		DELETE
G06F 2217/10		DELETE
G06F 2217/12		DELETE
G06F 2217/14		DELETE
G06F 2217/16		DELETE
G06F 2217/32		DELETE
G06F 2217/34		DELETE
G06F 2217/36		DELETE
G06F 2217/38		DELETE

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PROJECT RP0648

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G06F 2217/40		DELETE
G06F 2217/41		DELETE
G06F 2217/42		DELETE
G06F 2217/44		DELETE
G06F 2217/46		DELETE
G06F 2217/62		DELETE
G06F 2217/64		DELETE
G06F 2217/66		DELETE
G06F 2217/68		DELETE
G06F 2217/70		DELETE
G06F 2217/72		DELETE
G06F 2217/74		DELETE
G06F 2217/76		DELETE
G06F 2217/78		DELETE
G06F 2217/80		DELETE
G06F 2217/82		DELETE
G06F 2217/84		DELETE
G06F 2217/86		DELETE

*Action column:

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

NOTES:

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

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
A41H3/007	G06F17/50	REPLACE: G06F17/50 with G06F30/00
F16H2057/0087	G06F17/50	REPLACE: G06F17/50 with G06F30/00
G01R31/31704	G06F17/50	REPLACE: G06F17/50 with G06F30/00
G01R31/318357	G06F17/5009	REPLACE: G06F17/5009 with G06F30/3308
G01R31/318364	G06F17/5009	REPLACE: G06F17/5009 with G06F30/3308
G03F7/70433	G06F17/5068	REPLACE: G06F17/5068 with G06F30/30
G05B19/4097	G06F17/50	REPLACE: G06F17/50 with G06F30/00
H01L21/76816	G06F17/50	REPLACE: G06F17/50 with G06F30/00
H01L23/528	G06F17/50	REPLACE: G06F17/50 with G06F30/00

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A41H3/007	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F30/00
A61B34/10	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F30/00
A61C13/0004	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F30/00
A63B39/06	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F30/00
B29C70/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F30/00

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B63B9/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
B63B9/00	G06F17/5018	Informative references	REPLACE: G06F17/5018 with G06F 30/23
B63B9/00	G06F17/5095	Informative references	REPLACE: G06F17/5095 with G06F 30/15
B63B9/00	G06F17/50	Relationship	REPLACE: G06F17/50 with G06F 30/00
B63B9/00	G06F17/5018	Relationship	REPLACE: G06F17/5018 with G06F 30/23
B63B9/00	G06F17/5095	Relationship	REPLACE: G06F17/5095 with G06F 30/15
B63B9/00	G06F17/50	Special rules	REPLACE: G06F17/50 with G06F 30/00
B64F5/00	G06F17/5095	Informative references	REPLACE: G06F17/5095 with G06F 30/15
B64F5/00	G06F2217/46	Informative references	REPLACE: G06F2217/46 with G06F 2113/28
F28F27/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G01N3/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G01N21/956	G06F17/5081	Limiting references	REPLACE: G06F17/5081 with G06F 30/394
G01V	G06F17/5018	Relationship	REPLACE: G06F17/5018 with G06F 30/23
G02C7/028	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G03F1/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G05B19/00	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00

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G06F8/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F8/10	G06F17/5045	Informative references	REPLACE: G06F17/5045 with G06F 30/30
G06F8/20	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F9/30156	G06F17/50	Relationship	REPLACE: G06F17/50 with G06F 30/00
G06F9/4411	G06F17/5054	Informative references	REPLACE: G06F17/5054 with G06F 30/34
G06F9/44505	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F9/455	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F11/22	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F11/36	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00
G06F17/10	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F17/11	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F17/13	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06F17/13	G06F17/5018	Informative references	REPLACE: G06F17/5018 with G06F 30/23
G06N3/006	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06N3/10	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06N3/105	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00

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G06N7/06	G06F17/50	Application-oriented references	REPLACE: G06F17/50 with G06F 30/00
G06Q10/00	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00
G06Q10/043	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00
G06Q10/06	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00
G06Q50/04	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06T9/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G06T13/00	G06F17/5009	Informative references	REPLACE: G06F17/5009 with G06F 30/3308
G06T13/60	G06F17/5009	Informative references	REPLACE: G06F17/5009 with G06F 30/3308
G06T17/00	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00
G06T17/20	G06F17/5018	Limiting references	REPLACE: G06F17/5018 with G06F 30/23
G06T19/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G09G3/3644	G06F17/50	Relationship	REPLACE: G06F17/50 with G06F 30/00
G09G3/3666	G06F17/50	Relationship	REPLACE: G06F17/50 with G06F 30/00
G16C	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
G16H50/50	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
H01L23/528	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00

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H01L24/06	G06F17/5068	Informative references	REPLACE: G06F16/5068 with G06F 30/39
H01L27/00	G06F17/5068	Informative references	REPLACE: G06F17/5068 with G06F 30/39
H01L27/0207	G06F17/50	Limiting references	REPLACE: G06F17/50 with G06F 30/00
H01L27/0292	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
H01L27/118	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
H04R25/652	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
H04R2225/77	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00
H05K1/00	G06F17/50	Informative references	REPLACE: G06F17/50 with G06F 30/00

NOTES:

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