

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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	19/322, 19/323, 19/327, 19/3406, 19/3412, 19/3425, 19/3431, 19/3437, 19/3443, 19/345, 19/3487, 19/3493, 19/363, 19/366
Symbols Deleted Pending Reclassification: (frozen (F))	G06F	19/30, 19/32, 19/321, 19/324, 19/325, 19/326, 19/328, 19/34, 19/3418, 19/3456, 19/3462, 19/3468, 19/3475, 19/3481, 19/36
	G06Q	50/24
Symbols New:	G16	CLASS
	G16H	SUBCLASS
	G16H	10/00, 10/20, 10/40, 10/60, 10/65
	G16H	15/00
	G16H	20/00, 20/10, 20/13, 20/17, 20/30, 20/40, 20/60, 20/70, 20/90
	G16H	30/00, 30/20, 30/40
	G16H	40/00, 40/20, 40/40, 40/60, 40/63, 40/67
	G16H	50/00, 50/20, 50/30, 50/50, 50/70, 50/80
	G16H	70/00, 70/20, 70/40, 70/60
	G16H	80/00
Titles Changed:	G06F	19/00, 19/30, 19/3481
	G06Q	50/00, 50/22
Warnings New:	G06F	19/30, 19/32, 19/321, 19/325, 19/326, 19/328, 19/34, 19/3418, 19/3456, 19/3462, 19/3468, 19/3475, 19/3481, 19/36
	G06Q	10/10
	G06Q	40/08
	G06Q	50/22, 50/24
	G16H	10/10, 10/20, 10/40, 10/60, 10/65
	G16H	15/00
	G16H	20/00, 20/10, 20/13, 20/17, 20/30, 20/40, 20/60, 20/70, 20/90
	G16H	30/00
	G16H	40/00, 40/20, 40/40, 40/60, 40/63, 40/67
	G16H	50/00
	G16H	70/00, 70/20, 70/40, 70/60
	G16H	80/00
Notes New:	G16	CLASS
	G16H	SUBCLASS
	G16H	40/00, 40/60
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	G06F	19/322, 19/323, 19/327, 19/3406, 19/3412, 19/3425, 19/3431, 19/3437, 19/3443, 19/345, 19/3487, 19/3493, 19/363, 19/366

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Definitions Modified:	G06F	19/3418

The following subclasses/groups are also impacted by this Notice of Changes: A61B, A61C, A61F, A61G, A61H, A61J, A61K, A61M, A61N, A63B, B01L, G01G, G01N, G01S, G06F, G06K, G06N, G06Q, G06T, G08B, G09B

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

1. CLASSIFICATION SCHEME CHANGES

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

2. DEFINITIONS

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

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

DATE: JANUARY 1, 2018

PROJECT RP0486

CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**CLASS G16 – INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR SPECIFIC APPLICATION FIELDS**

<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>
N	G16	CLASS	INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR SPECIFIC APPLICATION FIELDS	

SUBCLASS G16H - HEALTHCARE INFORMATICS, i.e. INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR THE HANDLING OR PROCESSING OF MEDICAL OR HEALTHCARE DATA

<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>
N	G16H	SUBCLASS	HEALTHCARE INFORMATICS, i.e. INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR THE HANDLING OR PROCESSING OF MEDICAL OR HEALTHCARE DATA	
N	G16H 10/00	0	ICT specially adapted for the handling or processing of patient-related medical or healthcare data (for medical reports G16H 15/00; for therapies or health-improving plans G16H 20/00; for the handling or processing of medical images G16H 30/00)	
N	G16H 10/20	1	for electronic clinical trials or questionnaires	
N	G16H 10/40	1	for data related to laboratory analysis, e.g. patient specimen analysis	

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	G16H 10/60	1	for patient-specific data, e.g. for electronic patient records	
N	G16H 10/65	2	stored on portable record carriers, e.g. on smartcards, RFID tags or CD	
N	G16H 15/00	0	ICT specially adapted for medical reports, e.g. generation or transmission thereof	
N	G16H 20/00	0	ICT specially adapted for therapies or health-improving plans, e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance	
N	G16H 20/10	1	relating to drugs or medications, e.g. for ensuring correct administration to patients	
N	G16H 20/13	2	delivered from dispensers	
N	G16H 20/17	2	delivered via infusion or injection	
N	G16H 20/30	1	relating to physical therapies or activities, e.g. physiotherapy, acupressure or exercising	
N	G16H 20/40	1	relating to mechanical, radiation or invasive therapies, e.g. surgery, laser therapy, dialysis or acupuncture	
N	G16H 20/60	1	relating to nutrition control, e.g. diets	
N	G16H 20/70	1	relating to mental therapies, e.g. psychological therapy or autogenous training	
N	G16H 20/90	1	relating to alternative medicines, e.g. homeopathy or oriental medicines	
N	G16H 30/00	0	ICT specially adapted for the handling or processing of medical images (computerised tomography A61B 6/03)	
N	G16H 30/20	1	for handling medical images, e.g. DICOM, HL7 or PACS	
N	G16H 30/40	1	for processing medical images, e.g. editing	

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	G16H 40/00	0	ICT specially adapted for the management or administration of healthcare resources or facilities; ICT specially adapted for the management or operation of medical equipment or devices	
N	G16H 40/20	1	for the management or administration of healthcare resources or facilities, e.g. managing hospital staff or surgery rooms	
N	G16H 40/40	1	for the management of medical equipment or devices, e.g. scheduling maintenance or upgrades	
N	G16H 40/60	1	for the operation of medical equipment or devices	
N	G16H 40/63	2	for local operation	
N	G16H 40/67	2	for remote operation	
N	G16H 50/00	0	ICT specially adapted for medical diagnosis, medical simulation or medical data mining; ICT specially adapted for detecting, monitoring or modelling epidemics or pandemics	
N	G16H 50/20	1	for computer-aided diagnosis, e.g. based on medical expert systems	
N	G16H 50/30	1	for calculating health indices; for individual health risk assessment	
N	G16H 50/50	1	for simulation or modelling of medical disorders	
N	G16H 50/70	1	for mining of medical data, e.g. analysing previous cases of other patients	
N	G16H 50/80	1	for detecting, monitoring or modelling epidemics or pandemics, e.g. flu	
N	G16H 70/00	0	ICT specially adapted for the handling or processing of medical references	
N	G16H 70/20	1	relating to practices or guidelines	
N	G16H 70/40	1	relating to drugs, e.g. their side effects or intended usage	

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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N	G16H 70/60	1	relating to pathologies	
N	G16H 80/00	0	ICT specially adapted for facilitating communication between medical practitioners or patients, e.g. for collaborative diagnosis, therapy or health monitoring	

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

SUBCLASS G06F – ELECTRIC DIGITAL DATA PROCESSING ---

<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>
M	G06F 19/00	0	Digital computing or data processing equipment or methods, specially adapted for specific applications (specially adapted for specific functions G06F 17/00; data processing systems or methods specially adapted for administrative, commercial, financial, managerial, supervisory or forecasting purposes G06Q; healthcare informatics G16H)	
F	G06F 19/30	1	{Medical informatics, i.e. computer-based analysis or dissemination of patient or disease data (bioinformatics G06F19/10; measuring for diagnostic purposes A61B5/00; recognising patterns in biomedical signals G06K9/00496)}	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
F	G06F 19/32	2	{Medical data management, e.g. systems or protocols for archival or communication of medical images, computerised patient records or computerised general medical references (information retrieval or databases per se G06F17/30; data security aspects G06F21/00)}	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00
F	G06F 19/321	3	{Management of medical image data, e.g. communication or archiving systems such as picture archiving and communication systems [PACS] or related medical protocols such as digital imaging and communications in medicine protocol [DICOM]; Editing of medical image data, e.g. adding diagnosis information (image data processing in general G06T, image data processing related to 3D objects G06F17/00; biomedical image inspection G06T7/0012)}	G16H 30/00, G16H 30/20, G16H 30/40

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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D	G06F 19/322	3	{Management of patient personal data, e.g. patient records, conversion of records or privacy aspects}	<administrative transfer to G16H 10/60>
D	G06F 19/323	4	{on a portable record carrier, e.g. CD, smartcard or RFID}	<administrative transfer to G16H 10/65>
F	G06F 19/324	3	{Management of patient independent data, e.g. medical references in digital format}	G16H 70/00, G16H 70/60
F	G06F 19/325	4	{Medical practices, e.g. general treatment protocols}	G16H 70/20, G16H 70/60
F	G06F 19/326	4	{Medication information, e.g. drug reference databases}	G16H 70/40, G16H 70/60
D	G06F 19/327	3	{Management of hospital data, e.g. scheduling of medical staff or operation rooms, measuring the quality or efficiency of medical staff}	<administrative transfer to G16H 40/20>
F	G06F 19/328	3	{Health insurance management, e.g. payments or protection against fraud}	G06Q 10/10, G06Q 40/08

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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F	G06F 19/34	2	{Computer-assisted medical diagnosis or treatment, e.g. computerised prescription or delivery of medication or diets, computerised local control of medical devices, medical expert systems or telemedicine }	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00
D	G06F 19/3406	3	{Local monitoring or local control of medical devices, e.g. configuration parameters, graphical user interfaces [GUI] or dedicated hardware interfaces }	<administrative transfer to G16H 40/63>
D	G06F 19/3412	4	{Medical equipment management, e.g. updates or maintenance }	<administrative transfer to G16H 40/40>
F	G06F 19/3418	3	{Telemedicine, e.g. remote diagnosis, remote control of instruments or remote monitoring of patient carried devices }	G16H 40/40, G16H 40/60, G16H 40/67

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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D	G06F 19/3425	3	{Consulting other medical practitioners, e.g. cooperation, by teleconferencing}	<administrative transfer to G16H 80/00>
D	G06F 19/3431	3	{Calculating a health index for the patient, e.g. for risk assessment}	<administrative transfer to G16H 50/30>
D	G06F 19/3437	3	{Medical simulation or modelling, e.g. simulating the evolution of medical disorders (computer-aided design using simulation G06F17/5009; biomedical image modelling G06T17/00)}	<administrative transfer to G16H 50/50>
D	G06F 19/3443	3	{Medical data mining, e.g. in previous cases of different patients (pattern recognition in general G06K9/62)}	<administrative transfer to G16H 50/70>
D	G06F 19/345	3	{Medical expert systems, neural networks or other automated diagnosis (computer systems utilising knowledge based models G06N5/00; neural networks per se G06N3/02)}	<administrative transfer to G16H 50/20>
F	G06F 19/3456	3	{Computer-assisted prescription or delivery of medication, e.g. prescription filling or compliance checking}	G16H 20/10, G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3462	4	{Computer-assisted distribution of medication from dispensers, i.e. making sure that medication is correctly delivered to patients (medication containers A61J1/00; dispensers activated by money or the like G07F)}	G16H 20/13, G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3468	4	{Computer-assisted delivery of medication via infusion or injection (infusion devices per se A61M5/14)}	G16H 20/17, G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3475	3	{Computer-assisted prescription or delivery of diets, e.g. prescription filling or compliance checking}	G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3481	3	{Computer-assisted prescription or delivery of treatment by physical action, e.g. surgery or physical exercise (surgical instruments, devices or methods A61B17/00; apparatus for physical training A63B)}	G16H 20/30, G16H 20/40, G16H 20/70, G16H 20/90

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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D	G06F 19/3487	3	{Medical report generation}	<administrative transfer to G16H 15/00>
D	G06F 19/3493	3	{Computer-assisted epidemiological alert systems, e.g. bioterrorism or flu alerts}	<administrative transfer to G16H 50/80>
F	G06F 19/36	2	{Computer-assisted acquisition of medical data, e.g. computerised clinical trials or questionnaires (measuring analogue medical signals A61B5/00)}	G16H 10/00, G16H 10/20, G16H 10/40
D	G06F 19/363	3	{Manual data input, e.g. electronic questionnaires or clinical trials}	<administrative transfer to G16H 10/20>
D	G06F 19/366	3	{Acquisition of data related to laboratory tests, e.g. special identifiers for examination containers (investigating biological material G01N33/48)}	<administrative transfer to G16H 10/40>

DATE: JANUARY 1, 2018

PROJECT RP0486

SUBCLASS G06Q – DATA PROCESSING SYSTEMS OR METHODS, SPECIALLY ADAPTED FOR ADMINISTRATIVE ---

<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>
M	G06Q 50/00	0	Systems or methods specially adapted for specific business sectors, e.g. utilities or tourism (healthcare informatics G16H)	
C	G06Q 50/22	2	Social work	G06Q 50/22, G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
F	G06Q 50/24	3	Patient record management (processing of medical or biological data for scientific purposes G06F 19/00)	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no 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).

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column 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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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

SUBCLASS G06F – ELECTRIC DIGITAL DATA PROCESSING ---

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	G06F 19/30		<p>Group G06F 19/30 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 10/00 – G16H 80/00.</p> <p>Groups G06F 19/30 and G16H 10/00 – G16H 80/00 should be considered in order to perform a complete search.</p>
N	G06F 19/32		<p>Group G06F 19/32 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 10/00 – G16H 80/00.</p> <p>Groups G06F 19/32 and G16H 10/00 – G16H 80/00 should be considered in order to perform a complete search.</p>
N	G06F 19/321		<p>Group G06F 19/321 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 30/00 – G16H 30/40.</p> <p>Groups G06F 19/321 and G16H 30/00 – G16H 30/40 should be considered in order to perform a complete search.</p>
N	G06F 19/324		<p>Group G06F 19/324 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 70/00 and G16H 70/60. Groups G06F 19/324, G16H 70/00, and G16H 70/60 should be considered in order to perform a complete search.</p>
N	G06F 19/325		<p>Group G06F 19/325 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 70/20 and G16H 70/60. Groups G06F 19/325, G16H 70/20, and G16H 70/60 should be considered in order to perform a complete search.</p>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	G06F 19/326		Group G06F 19/326 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 70/40 and G16H 70/60. Groups G06F 19/326, G16H 70/40, and G16H 70/60 should be considered in order to perform a complete search.
N	G06F 19/328		Group G06F 19/328 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G06Q 10/10 and G06Q 40/08. Groups G06F 19/328, G06Q 10/10 and G06Q 40/08 should be considered in order to perform a complete search.
N	G06F 19/34		Group G06F 19/34 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 10/00 – G16H 80/00. Groups G06F 19/34 and G16H 10/00 – G16H 80/00 should be considered in order to perform a complete search.
N	G06F 19/3418		Group G06F 19/3418 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 40/40, G16H 40/60, G16H 40/67. Groups G06F 19/3418, G16H 40/40, G16H 40/60, and G16H 40/67 should be considered in order to perform a complete search.
N	G06F 19/3456		Group G06F 19/3456 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 20/10, G16H 20/60, G16H 20/70, and G16H 20/90. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 19/3462		Group G06F 19/3462 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 20/13, G16H 20/60, G16H 20/70, and G16H 20/90. All groups listed in this Warning should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	G06F 19/3468		Group G06F 19/3468 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 20/17, G16H 20/60, G16H 20/70, and G16H 20/90. All groups listed in this Warning should be considered in order to perform a complete search.
N	G06F 19/3475		Groups G06F 19/3475 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 20/60, G16H 20/70 and G16H 20/90. Groups G06F 19/3475, G16H 20/60, G16H 20/70 and G16H 20/90 should be considered in order to perform a complete search.
N	G06F 19/3481		Groups G06F 19/3481 is no longer used for the classification of documents as of January 1, 2018. The content of these groups is being reclassified into groups G16H 20/30, G16H 20/40, G16H 20/70 and G16H 20/90. Groups G06F 19/3481, G16H 20/30, G16H 20/40, G16H 20/70 and G16H 20/90 should be considered in order to perform a complete search.
N	G06F 19/36		Group G06F 19/36 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 10/00 – G16H 10/40. Groups G06F 19/36 and G16H 10/00 – G16H 10/40 should be considered in order to perform a complete search.

SUBCLASS G06Q – DATA PROCESSING SYSTEMS OR METHODS, SPECIALLY ADAPTED FOR ADMINISTRATIVE ---

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	G06Q 10/10		Group G06Q 10/10 is incomplete pending reclassification of documents from group G06F 19/328. Groups G06Q 10/10 and G06F 19/328 should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

N	G06Q 40/08		<p>Group G06Q 40/08 is incomplete pending reclassification of documents from group G06F 19/328.</p> <p>Groups G06Q 40/08 and G06F 19/328 should be considered in order to perform a complete search.</p>
N	G06Q 50/22		<p>Group G06Q 50/22 is impacted by reclassification into groups G06Q 50/22 and G16H 10/00 – G16H 80/00.</p> <p>Groups G06Q 50/22 and G16H 10/00 – G16H 80/00 should be considered in order to perform a complete search.</p>
N	G06Q 50/24		<p>Group G06Q 50/24 is no longer used for the classification of documents as of January 1, 2018. The content of this group is being reclassified into groups G16H 10/00 – G16H 80/00.</p> <p>Groups G06Q 50/24 and G16H 10/00 – G16H 80/00 should be considered in order to perform a complete search.</p>

SUBCLASS G16H - HEALTHCARE INFORMATICS, i.e. INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR THE HANDLING OR PROCESSING OF MEDICAL OR HEALTHCARE DATA

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	G16H 10/00		<p>Group G16H 10/00 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/36, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G16H 10/20		<p>Group G16H 10/20 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/36, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G16H 10/40		<p>Group G16H 10/40 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/36, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.</p>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

N	G16H 10/60		Group G16H 10/60 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 10/65		Group G16H 10/65 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 15/00		Group G16H 15/00 is incomplete pending reclassification of documents from groups G06F 19/00, G06F 19/30, G06F 19/32, G06Q 50/22, G06Q 50/24. Groups G06F 19/00, G06F 19/30, G06F 19/32, G06Q 50/22, G06Q 50/24 and G16H 15/00 should be considered in order to perform a complete search.
N	G16H 20/00		Group G16H 20/00 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/10		Group G16H 20/10 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3456, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/13		Group G16H 20/13 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3462, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/17		Group G16H 20/17 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3468, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

N	G16H 20/30		Group G16H 20/30 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3481, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/40		Group G16H 20/40 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3481, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/60		Group G16H 20/60 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3456, G06F 19/3462, G06F 19/3468, G06F 19/3475, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/70		Group G16H 20/70 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3456, G06F 19/3462, G06F 19/3468, G06F 19/3475, G06F 19/3481, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 20/90		Group G16H 20/90 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3456, G06F 19/3462, G06F 19/3468, G06F 19/3475, G06F 19/3481, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 30/00		<p>Groups G16H 30/00 – G16H 30/40 are incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/321, G06Q 50/22, G06Q 50/24.</p> <p>Groups G06F 19/30, G06F 19/32, G06F 19/321, G06Q 50/22, G06Q 50/24 and G16H 30/00 – G16H 30/40 should be considered in order to perform a complete search.</p>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

N	G16H 40/00		Group G16H 40/00 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 40/20		Group G16H 40/20 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 40/40		Group G16H 40/40 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3418, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 40/60		Group G16H 40/60 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3418, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 40/63		Group G16H 40/63 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 40/67		Group G16H 40/67 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06F 19/3418, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 50/00		Groups G16H 50/00 - G16H 50/80 are incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, G06Q 50/24. Groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, G06Q 50/24 and G16H 50/00 – G16H 50/80 should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

N	G16H 70/00		Group G16H 70/00 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/324, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 70/20		Group G16H 70/20 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/325, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 70/40		Group G16H 70/40 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/326, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 70/60		Group G16H 70/60 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/324, G06F 19/325, G06F 19/326, G06F 19/34, G06Q 50/22, and G06Q 50/24. All groups listed in this Warning should be considered in order to perform a complete search.
N	G16H 80/00		Group G16H 80/00 is incomplete pending reclassification of documents from groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, G06Q 50/24. Groups G06F 19/30, G06F 19/32, G06F 19/34, G06Q 50/22, G06Q 50/24 and G16H 80/00 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.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

C. New, Modified or Deleted Note(s)

CLASS G16 – INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR SPECIFIC APPLICATION FIELDS

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G16		<p>1. This class <u>does not cover</u>:</p> <ul style="list-style-type: none"> a. pattern recognition, which is covered by group G06K 9/00; b. digital computing or data processing systems or methods specially adapted for administrative, commercial, financial, managerial, supervisory or forecasting purposes, which are covered by subclass G06Q; c. image data processing or generation, which is covered by subclass G06T.
N	G16		<p>2. In this class, the following terms or expressions are used with the meaning indicated:</p> <ul style="list-style-type: none"> a. ICT [information and communication technology] also covers IT [information technology]; b. “ICT specially adapted for” also covers the expression “digital computing or data processing systems or methods specially adapted for”, which is used in group G06F 19/00 and in subclass G06Q.

SUBCLASS G16H - HEALTHCARE INFORMATICS, i.e. INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR THE HANDLING OR PROCESSING OF MEDICAL OR HEALTHCARE DATA

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G16H		<p>1. This subclass <u>covers</u> cross-sectional aspects of computer, information or communication science with medical or healthcare science, where the focus is clearly placed on digital computing or data processing systems or methods, which are specially adapted for medical or healthcare science.</p>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G16H		<p>2. This subclass <u>does not cover</u>:</p> <ul style="list-style-type: none"> a. medical equipment, medical methods, methods of diagnosis, methods of treatment or therapy, clinical care or surgical procedures per se, which are covered by the relevant subclasses of A61; b. signal processing or signal transmission associated to diagnostic measurements, e.g. signal waveform analysis, which are covered by group A61B 5/00.
N	G16H		<p>3. In order to determine whether a technical subject relating to medical or healthcare science is classified in this subclass or in the relevant subclasses of A61, the following should be observed:</p> <ul style="list-style-type: none"> a. to classify a technical subject in this subclass it is required that the essential technical features of the subject focus onto digital computing or data processing systems or methods; b. if the technical subject focuses onto aspects of medical science, e.g. physiological signals or medical conditions, or if the subject involves a significant interaction with the patient, e.g. details of a diagnostic measurement, then classification shall be directed to the appropriate subclasses of class A61; c. the mere presence of “a computer” or “a flowchart” in relation to medical devices or procedures is not a key element for classifying in this subclass. In this case classification shall rather be directed to the appropriate subclasses covering those medical devices or procedures.
N	G16H 40/60		<p>1. This group <u>covers</u> ICT specially adapted for the operation of medical equipment or devices, or of their interfaces, i.e. aspects of the operation where the focus is on the processing of medical or healthcare data which results in contextual, content-related or structural transformation of said data.</p>
N	G16H 40/60		<p>2. This group <u>does not cover</u> the operation of medical equipment or devices, or of their interfaces, without contextual, content-related or structural transformation of medical or healthcare data, which is covered by the relevant groups of class A61.</p>

*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.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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 19/322			Delete entire definitions
G06F 19/323			Delete entire definitions
G06F 19/327			Delete entire definitions
G06F 19/3406			Delete entire definitions
G06F 19/3412			Delete entire definitions
G06F 19/3418	Special rules of Classification	G06F19/3406	G16H 40/63
G06F 19/3418	Special rules of Classification	G06F19/366	G16H 10/40
G06F 19/3425			Delete entire definitions
G06F 19/3431			Delete entire definitions
G06F 19/3437			Delete entire definitions
G06F 19/3443			Delete entire definitions
G06F 19/345			Delete entire definitions
G06F 19/3487			Delete entire definitions
G06F 19/3493			Delete entire definitions
G06F 19/363			Delete entire definitions
G06F 19/366			Delete entire definitions

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.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
F	G06F 19/30	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00
F	G06F 19/32	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00
F	G06F 19/321	G16H 30/00, G16H 30/20, G16H 30/40
D	G06F 19/322	<administrative transfer to G16H 10/60>
D	G06F 19/323	<administrative transfer to G16H 10/65>
F	G06F 19/324	G16H 70/00, G16H 70/60
F	G06F 19/325	G16H 70/20, G16H 70/60

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
F	G06F 19/326	G16H 70/40, G16H 70/60
D	G06F 19/327	<administrative transfer to G16H 40/20>
F	G06F 19/328	G06Q 10/10, G06Q 40/08
F	G06F 19/34	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00
D	G06F 19/3406	<administrative transfer to G16H 40/63>
D	G06F 19/3412	<administrative transfer to G16H 40/40>
F	G06F 19/3418	G16H 40/40, G16H 40/60, G16H 40/67
D	G06F 19/3425	<administrative transfer to G16H 80/00>
D	G06F 19/3431	<administrative transfer to G16H 50/30>
D	G06F 19/3437	<administrative transfer to G16H 50/50>
D	G06F 19/3443	<administrative transfer to G16H 50/70>
D	G06F 19/345	<administrative transfer to G16H 50/20>
F	G06F 19/3456	G16H 20/10, G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3462	G16H 20/13, G16H 20/60, G16H 20/70, G16H 20/90

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
F	G06F 19/3468	G16H 20/17, G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3475	G16H 20/60, G16H 20/70, G16H 20/90
F	G06F 19/3481	G16H 20/30, G16H 20/40, G16H 20/70, G16H 20/90
D	G06F 19/3487	<administrative transfer to G16H 15/00>
D	G06F 19/3493	<administrative transfer to G16H 50/80>
F	G06F 19/36	G16H 10/00, G16H 10/20, G16H 10/40
D	G06F19/363	<administrative transfer to G16H 10/20>
D	G06F19/366	<administrative transfer to G16H 10/40>
C	G06Q 50/22	G06Q 50/22,G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
F	G06Q 50/24	G16H 10/00, G16H 10/20, G16H 10/40, G16H 10/60, G16H 10/65, G16H 15/00, G16H 20/00, G16H 20/10, G16H 20/13, G16H 20/17, G16H 20/30, G16H 20/40, G16H 20/60, G16H 20/70, G16H 20/90, G16H 30/00, G16H 40/00, G16H 40/20, G16H 40/40, G16H 40/60, G16H 40/63, G16H 40/67, G16H 50/00, G16H 70/00, G16H 70/20, G16H 70/40, G16H 70/60, G16H 80/00

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G16H 10/00	G16H 10/00	NEW
G16H 10/20	G16H 10/20	NEW
G16H 10/40	G16H 10/40	NEW
G16H 10/60	G16H 10/60	NEW
G16H 10/65	G16H 10/65	NEW
G16H 15/00	G16H 15/00	NEW
G16H 20/00	G16H 20/00	NEW
G16H 20/10	G16H 20/10	NEW
G16H 20/13	G16H 20/13	NEW
G16H 20/17	G16H 20/17	NEW
G16H 20/30	G16H 20/30	NEW
G16H 20/40	G16H 20/40	NEW
G16H 20/60	G16H 20/60	NEW
G16H 20/70	G16H 20/70	NEW
G16H 20/90	G16H 20/90	NEW
G16H 30/00	G16H 30/00	NEW
G16H 30/20	G16H 30/20	NEW
G16H 30/40	G16H 30/40	NEW
G16H 40/00	G16H 40/00	NEW
G16H 40/20	G16H 40/20	NEW
G16H 40/40	G16H 40/40	NEW
G16H 40/60	G16H 40/60	NEW
G16H 40/63	G16H 40/63	NEW
G16H 40/67	G16H 40/67	NEW
G16H 50/00	G16H 50/00	NEW
G16H 50/20	G16H 50/20	NEW
G16H 50/30	G16H 50/30	NEW
G16H 50/50	G16H 50/50	NEW
G16H 50/70	G16H 50/70	NEW
G16H 50/80	G16H 50/80	NEW
G16H 70/00	G16H 70/00	NEW
G16H 70/20	G16H 70/20	NEW
G16H 70/40	G16H 70/40	NEW
G16H 70/60	G16H 70/60	NEW

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G16H 80/00	G16H 80/00	NEW
G06F 19/322		DELETE
G06F 19/323		DELETE
G06F 19/327		DELETE
G06F 19/3406		DELETE
G06F 19/3412		DELETE
G06F 19/3425		DELETE
G06F 19/3431		DELETE
G06F 19/3437		DELETE
G06F 19/3443		DELETE
G06F 19/345		DELETE
G06F 19/3487		DELETE
G06F 19/3493		DELETE
G06F 19/363		DELETE
G06F 19/366		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 CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

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>
A61B 5/00	G06F 19/30	delete
A61B 5/72	G06F 19/34	delete
A61B 6/03	G06F 19/30	delete
A61B 6/5217	G06F 19/34	delete
A61B 6/563	G06F 19/32	delete
A61B 8/5223	G06F 19/34	delete
A61B 8/565	G06F 19/32	delete
A61M 2005/14288	G06F 19/3437	delete
G01N 33/48792	G06F 19/30	delete
G06K 9/00	G06F 19/34	delete
G08B 21/245	G06F 19/327	delete

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>
A61B 5/04	G06F 19/3443	Informative references	<i>Delete:</i> The entire row for reference G06F 19/3443.
A61B 5/04		Informative references	<i>Add:</i> ICT specially adapted for mining of medical data, e.g. analysing previous cases of other patients G16H 50/70
A61B 5/0537	G06F 19/3475	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to nutrition control (e.g. diets) G16H 20/60
A61B 6/03	G06F 19/30	Informative references	<i>Modified:</i> Healthcare informatics G16H
A61B 6/46	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61B 6/465	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61B 6/5217	G06F 19/34	Limiting references	<i>Delete</i>
A61B 6/5217		Informative references	<i>Add:</i> ICT specially adapted for medical diagnosis, medical simulation or medical data mining G16H 50/00

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
A61B 6/5294	G06F 19/32	Informative references	<i>Modified:</i> ICT specially adapted for the handling or processing of patient-related medical or healthcare data G16H 10/00
A61B 6/54	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61B 6/563	G06F 19/32	Informative references	<i>Modified:</i> ICT specially adapted for the handling or processing of medical images G16H 30/00
A61B 6/581	G06F 19/3418	Informative references	<i>Modified:</i> ICT specially adapted for the remote operation of medical equipment or devices G16H 40/67
A61B 8/46	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61B 8/5223	G06F 19/34	Limiting references	<i>delete</i>
A61B 8/5223		Informative references	<i>Add:</i> ICT specially adapted for computer-aided diagnosis G16H 50/00
A61B 8/5292	G06F 19/32	Informative references	<i>Modified:</i> ICT specially adapted for the handling or processing of patient-related medical or healthcare data G16H 10/00
A61B 8/54	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61B 8/565	G06F 19/321	Informative references	<i>Modified:</i> ICT specially adapted for the handling or processing of patient-related medical or healthcare data G16H 10/00
A61B 8/582	G06F 19/3418	Informative references	<i>Modified:</i> ICT specially adapted for the remote operation of medical equipment or devices G16H 40/67
A61B 34/10	G06F 19/30	Informative references	<i>Modified:</i> Healthcare informatics G16H
A61B 34/10	G06F 19/30	Informative references	<i>delete</i> Data processing for medical application
A61C 13/0004	G06F 19/30	Informative references	<i>Modified:</i> Healthcare informatics G16H
A61F 2/0004	G06F 19/30	Relationships with other classification places	<i>delete</i>
A61F 2/0004		Informative references	<i>Add:</i> Healthcare informatics G16H

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
A61G 11/00	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61H 2201/5023	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the local operation of medical equipment or devices G16H 40/63
A61J 7/0084	G06F 19/3456	Special rules of classification	<i>Delete</i>
A61J 7/0084		Informative references	<i>Add:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to drugs or medications (e.g. for ensuring correct administration to patients) G16H 20/10
A61J 7/04	G06F 19/3456	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to drugs or medications (e.g. for ensuring correct administration to patients) G16H 20/10
A61K 33/00	G06F 19/30	Informative references	<i>Modified:</i> Healthcare informatics G16H
A61K 45/06	G06F 19/30	Informative references	<i>Modified:</i> Healthcare informatics G16H
A61M 5/00	G06F 19/30	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to drugs or medications (e.g. for ensuring correct administration to patients) G16H 20/10
A61M 5/00	G06F 19/00	Special rules of classification	<i>Delete the following text:</i> All documents dealing with medical informatics (software, programming of infusion devices, etc.) should be classified under G06F19/00.
A61M 16/00	G06F 19/30 (Referenced with G06F17/00)	Informative references	<i>Delete</i>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
A61N 1/00	G06F 19/34	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to mechanical, radiation or invasive therapies (e.g. surgery, laser therapy, dialysis or acupuncture) G16H 20/40
A61N 1/372	G06F 19/34	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to mechanical, radiation or invasive therapies (e.g. surgery, laser therapy, dialysis or acupuncture) G16H 20/40
A61N 1/372	G06F 19/3406	Informative references	<i>Modified:</i> ICT specially adapted for the operation of medical equipment or devices G16H 40/60
A61N 1/372	G06F 19/3418	Informative references	<i>Delete</i>
A61N 5/00	G06F 19/30 (Referenced with A61B34/00)	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to mechanical, radiation or invasive therapies (e.g. surgery, laser therapy, dialysis or acupuncture) G16H 20/40
A63B	G06F 19/3481	Relationships with other classification places	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to physical therapies or activities (e.g. exercising) G16H 20/30
A63B 24/00		Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to physical therapies or activities (e.g. exercising) G16H 20/30
A63B 24/00	G06F 19/32	Limiting references	<i>delete</i>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
A63B 24/00		Informative references	<i>Add:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to physical therapies or activities (e.g. exercising) G16H 20/30
A63B 24/00	G06F 19/3481	Limiting references	<i>delete</i>
A63B 24/0075	G06F 19/3481	Limiting references	<i>delete</i>
B01L 3/545	G06F 19/366	Informative references	<i>Modified:</i> ICT specially adapted for the handling or processing of patient-related medical or healthcare data related to laboratory analysis G16H 10/40
G01G 19/00	G06F 19/3475	Informative references	<i>Modified:</i> ICT specially adapted for therapies or health-improving plans (e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance) relating to nutrition control (e.g. diets) G16H 20/60
G01S 15/899	G06F 19/321	Limiting references	<i>delete</i>
G01S 15/899		Informative references	<i>Add:</i> ICT specially adapted for handling or processing of medical images G16H 30/00
G06F 17/18	G06F 19/30	Informative references	<i>Modified:</i> Healthcare informatics G16H
G06F 17/30244	G06F 19/321	Application-oriented references	<i>delete</i>
G06F 17/30244		Informative references	<i>Add:</i> ICT specially adapted for handling medical images, e.g. DICOM, HL7 or PACS G16H 30/00
G06F 19/00		Limiting references	<i>Add:</i> Healthcare informatics G16H
G06K 9/00	G06F 19/30 (Referenced with A61B5/00)	Limiting references	<i>delete</i>
G06K 9/00		Informative references	<i>Add:</i> Healthcare informatics G16H
G06K 17/00	G06F 19/323	Informative references	ICT specially adapted for the handling or processing of patient-related medical or healthcare data stored on portable record carriers, e.g. on smartcards, RFID tags or CD G16H 10/65
G06N 3/006	G06F 19/3437	Limiting references	<i>delete</i>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
G06N 3/006		Application-oriented references	<i>Add:</i> ICT specially adapted for medical diagnosis, medical simulation or medical data mining; ICT specially adapted for detecting, monitoring or modelling epidemics or pandemics G16H 50/00
G06N 5/003	G06F 19/3437	Application-oriented references	ICT specially adapted for medical diagnosis, medical simulation or medical data mining; ICT specially adapted for detecting, monitoring or modelling epidemics or pandemics G16H 50/00
G06Q 50/00	G06F 19/30	Relationships with other classification places	<i>delete</i>
G06Q 50/00		Limiting references	<i>Add:</i> Healthcare informatics G16H
G06Q 50/22	G06F 19/30	Limiting references	<i>delete</i>
G06T 7/00		Application-oriented references	<i>Add:</i> ICT specially adapted for processing medical images, e.g. editing G16H 30/40
G06T 7/0012	G06F 19/30	Informative references	<i>delete</i>
G06T 7/0012		Application-oriented references	<i>Add:</i> ICT specially adapted for processing medical images, e.g. editing G16H 30/40
G06T 11/003	G06F 19/30	Limiting references	<i>delete</i>
G06T 11/003	G06F 19/30	Application-oriented references	<i>Modified:</i> ICT specially adapted for processing medical images, e.g. editing G16H 30/40
G06T 11/206	G06F 19/3487	Limiting references	<i>delete</i>
G06T 11/206		Application-oriented references	<i>Add:</i> ICT specially adapted for medical reports, e.g. generation or transmission thereof G16H 15/00
G06T 11/60	G06F 19/321	Informative references	<i>delete</i>
G06T 11/60		Application-oriented references	<i>Add:</i> ICT specially adapted for processing medical images, e.g. editing G16H 30/40
G06T 19/003	G06F 19/34	Informative references	<i>delete</i>
G06T 19/003		Application-oriented references	<i>Add:</i> ICT specially adapted for processing medical images, e.g. editing G16H 30/40
G08B 21/00	G06F 19/327	Limiting references	<i>delete</i>

CPC NOTICE OF CHANGES 473

DATE: JANUARY 1, 2018

PROJECT RP0486

<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>
G08B 21/00		Informative references	<i>Add:</i> ICT specially adapted for the management or administration of healthcare resources or facilities, e.g. managing hospital staff or surgery rooms G16H 40/20
G08B 21/00	G06F 19/3418		<i>delete</i>
G08B 21/00			<i>Add:</i> ICT specially adapted for the remote operation of medical equipment or devices G16H 40/67
G09B 23/28	G06F 19/32	Informative references	<i>Modified:</i> Healthcare informatics G16H
H04R 25/556	G06F 19/3406	Informative references	<i>Modified:</i> G16H 20/00

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.