CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS
(NOTES omitted)

G16 INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR SPECIFIC APPLICATION FIELDS
(NOTES omitted)

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

NOTES

1. This subclass covers 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.
2. This subclass does not cover:
   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.
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:
   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.

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

10/00	**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)
10/20	. for electronic clinical trials or questionnaires
10/40	. for data related to laboratory analysis, e.g. patient specimen analysis
10/60	. for patient-specific data, e.g. for electronic patient records
10/65	. . stored on portable record carriers, e.g. on smartcards, RFID tags or CD
15/00	**ICT specially adapted for medical reports, e.g. generation or transmission thereof**
20/00	**ICT specially adapted for therapies or health-improving plans, e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance**
20/10	. relating to drugs or medications, e.g. for ensuring correct administration to patients
20/13	. . delivered from dispensers
20/17	. . delivered via infusion or injection
20/30	. relating to physical therapies or activities, e.g. physiotherapy, acupressure or exercising
20/40	. relating to mechanical, radiation or invasive therapies, e.g. surgery, laser therapy, dialysis or acupuncture
20/60	. relating to nutrition control, e.g. diets
20/70	. relating to mental therapies, e.g. psychological therapy or autogenous training
20/90	. relating to alternative medicines, e.g. homeopathy or oriental medicines
30/00	**ICT specially adapted for the handling or processing of medical images** (computed tomography A61B 6/03)
30/20	. for handling medical images, e.g. DICOM, HL7 or PACS
30/40	. for processing medical images, e.g. editing
40/00	**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**

40/20	. for the management or administration of healthcare resources or facilities, e.g. managing hospital staff or surgery rooms
40/40	. for the management of medical equipment or devices, e.g. scheduling maintenance or upgrades
40/60	. for the operation of medical equipment or devices

NOTES

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.

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 <u>A61</u>.

40/63	. . for local operation
40/67	. . for remote operation

50/00   ICT specially adapted for medical diagnosis, medical simulation or medical data mining; ICT specially adapted for detecting, monitoring or modelling epidemics or pandemics

50/20	. for computer-aided diagnosis, e.g. based on medical expert systems
50/30	. for calculating health indices; for individual health risk assessment
50/50	. for simulation or modelling of medical disorders
50/70	. for mining of medical data, e.g. analysing previous cases of other patients
50/80	. for detecting, monitoring or modelling epidemics or pandemics, e.g. flu

70/00   ICT specially adapted for the handling or processing of medical references

70/20	. relating to practices or guidelines
70/40	. relating to drugs, e.g. their side effects or intended usage
70/60	. relating to pathologies

80/00   ICT specially adapted for facilitating communication between medical practitioners or patients, e.g. for collaborative diagnosis, therapy or health monitoring