

# 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.

**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](#))

### WARNING

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.

**10/20** • for electronic clinical trials or questionnaires

### WARNING

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.

**10/40** • for data related to laboratory analysis, e.g. patient specimen analysis

### WARNING

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.

**10/60** • for patient-specific data, e.g. for electronic patient records

### WARNING

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.

- 10/65 . . stored on portable record carriers, e.g. on smartcards, RFID tags or CD

**WARNING**

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.

- 15/00 **ICT specially adapted for medical reports, e.g. generation or transmission thereof**

**WARNING**

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 and [G16H 15/00](#) should be considered in order to perform a complete search.

- 20/00 **ICT specially adapted for therapies or health-improving plans, e.g. for handling prescriptions, for steering therapy or for monitoring patient compliance**

**WARNING**

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.

- 20/10 . relating to drugs or medications, e.g. for ensuring correct administration to patients

**WARNING**

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.

- 20/13 . . delivered from dispensers

**WARNING**

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.

- 20/17 . . delivered via infusion or injection

**WARNING**

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.

- 20/30 . relating to physical therapies or activities, e.g. physiotherapy, acupressure or exercising

**WARNING**

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.

- 20/40 . relating to mechanical, radiation or invasive therapies, e.g. surgery, laser therapy, dialysis or acupuncture

**WARNING**

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.

- 20/60 . relating to nutrition control, e.g. diets

**WARNING**

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.

- 20/70 . relating to mental therapies, e.g. psychological therapy or autogenous training

**WARNING**

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.

20/90	<ul style="list-style-type: none"> <li>relating to alternative medicines, e.g. homeopathy or oriental medicines</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 20/90</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06F 19/3456</a>, <a href="#">G06F 19/3462</a>, <a href="#">G06F 19/3468</a>, <a href="#">G06F 19/3475</a>, <a href="#">G06F 19/3481</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>	40/40	<ul style="list-style-type: none"> <li>for the management of medical equipment or devices, e.g. scheduling maintenance or upgrades</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 40/40</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06F 19/3418</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
30/00	<p><b>ICT specially adapted for the handling or processing of medical images</b> (<a href="#">computerised tomography A61B 6/03</a>)</p> <p><b><u>WARNING</u></b></p> <p>Groups <a href="#">G16H 30/00</a> – <a href="#">G16H 30/40</a> are incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/321</a>, <a href="#">G06Q 50/22</a>, <a href="#">G06Q 50/24</a>.</p> <p>Groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/321</a>, <a href="#">G06Q 50/22</a>, <a href="#">G06Q 50/24</a> and <a href="#">G16H 30/00</a> – <a href="#">G16H 30/40</a> should be considered in order to perform a complete search.</p>	40/60	<ul style="list-style-type: none"> <li>for the operation of medical equipment or devices</li> </ul> <p><b><u>NOTES</u></b></p> <ol style="list-style-type: none"> <li>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.</li> <li>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 <a href="#">A61</a>.</li> </ol> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 40/60</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06F 19/3418</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
30/20	<ul style="list-style-type: none"> <li>for handling medical images, e.g. DICOM, HL7 or PACS</li> </ul>		
30/40	<ul style="list-style-type: none"> <li>for processing medical images, e.g. editing</li> </ul>		
40/00	<p><b>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</b></p> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 40/00</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>	40/63	<ul style="list-style-type: none"> <li>for local operation</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 40/63</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
40/20	<ul style="list-style-type: none"> <li>for the management or administration of healthcare resources or facilities, e.g. managing hospital staff or surgery rooms</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 40/20</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>	40/67	<ul style="list-style-type: none"> <li>for remote operation</li> </ul> <p><b><u>WARNING</u></b></p> <p>Group <a href="#">G16H 40/67</a> is incomplete pending reclassification of documents from groups <a href="#">G06F 19/30</a>, <a href="#">G06F 19/32</a>, <a href="#">G06F 19/34</a>, <a href="#">G06F 19/3418</a>, <a href="#">G06Q 50/22</a>, and <a href="#">G06Q 50/24</a>.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

**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**

**WARNING**

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.

- 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**

**WARNING**

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.

- 70/20 . relating to practices or guidelines

**WARNING**

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.

- 70/40 . relating to drugs, e.g. their side effects or intended usage

**WARNING**

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.

- 70/60 . relating to pathologies

**WARNING**

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.

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

**WARNING**

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 and [G16H 80/00](#) should be considered in order to perform a complete search.