

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS

(NOTES omitted)

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

(NOTES omitted)

G16Y INFORMATION AND COMMUNICATION TECHNOLOGY SPECIALLY ADAPTED FOR THE INTERNET OF THINGS [IoT]

NOTES

1. This subclass covers inter-networking of physical objects ("things") that embed technology enabling the things to sense and collect information from their internal state or their external environment, wherein the information is processed by the things or by other devices, e.g. servers, to be output to the things, to other things or to other devices, and enabling these things to be connected to the Internet either directly or indirectly.
 - "Directly connected to Internet" means that a thing possesses a network address of the Internet address space, which is used to communicate over the Internet.
 - "Indirectly connected to Internet" means that a thing is connected to a proxy device, which possesses a network address of the Internet address space and which communicates over the Internet on behalf of the thing.
 - A network address of the Internet address space is an address uniquely identifying a device in the Internet.
2. This subclass does not cover:
 - Mere monitoring, e.g. security cameras, or mere controlling, e.g. remote control arrangements.
 - Generic computing and communicating devices, e.g. computers or telephones
3. This subclass is intended to enable a complementary search of subject matter related to IoT by combination of classification symbols of this subclass with classification symbols from other subclasses. Therefore this subclass covers aspects of IoT (e.g. detection or navigation) that might also be entirely or partially covered elsewhere in the IPC.
4. This subclass is for obligatory supplementary classification of subject matter already classified as such in other classification places, when the subject matter contains an aspect of IoT.
5. The classification symbols of this subclass are not listed first when assigned to patent documents.
6. No systematic reclassification was done when this subclass was introduced. When searching using the symbols of this subclass it should be noted that many documents published before 2020 are not classified in subclass [G16Y](#).

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|--------------|---|--------------|--|
| 10/00 | Economic sectors | 20/40 | • relating to personal data, e.g. biometric data, records or preferences |
| 10/05 | • Agriculture | | |
| 10/10 | • Forestry | 30/00 | IoT infrastructure |
| 10/15 | • Fishing | 30/10 | • Security thereof |
| 10/20 | • Mining | | |
| 10/25 | • Manufacturing | 40/00 | IoT characterised by the purpose of the information processing |
| 10/30 | • Construction | 40/10 | • Detection; Monitoring |
| 10/35 | • Utilities, e.g. electricity, gas or water | 40/20 | • Analytics; Diagnosis |
| 10/40 | • Transportation | 40/30 | • Control |
| 10/45 | • Commerce | 40/35 | • . Management of things, i.e. controlling in accordance with a policy or in order to achieve specified objectives |
| 10/50 | • Finance; Insurance | | |
| 10/55 | • Education | 40/40 | • Maintenance of things |
| 10/60 | • Healthcare; Welfare | 40/50 | • Safety; Security of things, users, data or systems |
| 10/65 | • Entertainment or amusement; Sports | 40/60 | • Positioning; Navigation |
| 10/70 | • Broadcasting | | |
| 10/75 | • Information technology; Communication | | |
| 10/80 | • Homes; Buildings | | |
| 10/90 | • Chemistry | | |
| 20/00 | Information sensed or collected by the things | | |
| 20/10 | • relating to the environment, e.g. temperature; relating to location | | |
| 20/20 | • relating to the thing itself | | |
| 20/30 | • relating to resources, e.g. consumed power | | |