

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1485

DATE: AUGUST 1, 2023

PROJECT DP11846

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
DEFINITIONS:		
Definitions Modified:	G06Q	10/00, 10/02, 10/04, 10/047, 10/10, 10/1091, 10/20

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)

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2. A. DEFINITIONS (modified)

G06Q 10/00

Definition statement

Replace: The existing the Definition statement text with the following revised text:

Information and Communication Technology (ICT) specially adapted for the management of an organisation or its employees, such as:

- automation of office work by using computers to assist in the production of documents containing standard clauses, e.g. contract documents;
- administration of reservations, e.g. for hotels, events or travel;
- co-ordination of multiple reservations, e.g. correspondence flights;
- time management in businesses, e.g. monitoring working time or billable hours;
- time management in an enterprise environment, e.g. monitoring billable hours, working time accounting for employees;
- project management in an enterprise environment, e.g. stages presented in the workflow;
- optimisation or forecasting for business or financial purposes, using mathematical or statistical models or optimisation methods, e.g. linear programming;
- inventory management, e.g. order filling, stock level control, bills of materials.

References

Informative references

Replace: The existing Informative references table with the following revised table:

Programme-control systems within control or regulating systems in general	G05B 19/00
Bill distribution or payments	G06Q 20/102
Buying, selling or leasing transactions	G06Q 30/06
Finance; Insurance; Tax strategies; Processing of corporate or income taxes	G06Q 40/00
Data processing specially adapted for complex mathematical operations	G06F 17/10
Security arrangements for protecting computers or components thereof, programs or data against unauthorised activity	G06F 21/00

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Design optimisation, verification or simulation of computer-aided design [CAD]	G06F 30/20
Processing of natural language text	G06F 40/10
Information and communication technology specially adapted for the Internet of things [IoT]	G16Y
Arrangements for secret or secure communication; Network security protocols	H04L 9/00
Arrangements for maintenance, administration or management of data switching networks, e.g. of packet switching networks	H04L 41/00
Network architectures or network communication protocols for network security	H04L 63/00
Network arrangements, protocols or services for supporting real-time applications in data packet communication	H04L 65/00
Network arrangements or protocols for supporting network services or applications	H04L 67/00

G06Q 10/02**Definition statement**

Replace: The existing the Definition statement text with the following revised text:

Information and communication Technology (ICT) specially adapted for computerised record keeping systems for recording reservations, such as:

- Airplane, train or concert reservations;
- Administration of reservations in an enterprise environment;
- Tickets, services, events, travel reservations;
- Hotels, restaurants, flights;
- Coordination of multiple reservations, e.g. correspondence flights.

Insert: The following new Relationships with other classification places section:

Relationships with other classification places

This group covers “reservations” per se, e.g. administration of reservations. For rental transactions or leasing transactions, see group G06Q 30/0645.

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References**Informative references**

Replace: The existing Informative references table with the following revised table:

Information retrieval; Database structures therefor; File system structures therefor	G06F 16/00
Processing of natural language text; Electronic form filling	G06F 40/10, G06F 40/174
Payment architectures, schemes or protocols	G06Q 20/00
Systems or methods specially adapted for hotels or restaurants	G06Q 50/12
Transportation facility access, e.g. fares, tolls or parking	G06Q 2240/00
Arrangements or apparatus for collecting fares, tolls or entrance fees at one or more control points	G07B 15/00
Coin-freed apparatus or services, for hiring or rent of vehicles, e.g. cars, bicycles, or wheelchairs	G07F 17/0057
Visible signalling systems using electric or electromagnetic transmission, e.g. remote indication of seats occupied	G08B 5/22

G06Q 10/04**Definition statement**

Replace: The existing the Definition statement text with the following revised text:

Information and communication Technology (ICT) specially adapted for forecasting or optimisation.

The following subjects are therefore covered, the list being non-exhaustive:

- Linear programming, "travelling salesman problem", "cutting stock problem";
- Optimisation or forecasting in an enterprise environment, achieved by algorithms based on mathematical or statistical models or theoretical solutions to optimisation problems.

Insert: The following new Relationships with other classification places section:

Relationships with other classification places

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Optimisation in a specific technical field is usually not found this group and should be searched for in the specific field, e.g. optimisation of placement of servers in a data farm, optimisation for reducing fuel consumption, etc.

Group G06Q 10/04 covers mathematical methods for optimisation or forecast purpose specially adapted to as administrative/business application or context.

Group G06F 17/11 covers mathematical methods for solving generic mathematical optimisation problems. Likewise, group G06F 17/18 covers mathematical methods for analysing generic time series data for forecasting/extrapolation purposes.

References

Informative references

Replace: The existing Informative references table with the following revised table:

Devices for predicting weather conditions	G01W 1/10
Testing or monitoring, response to fault detection, predictive maintenance	G05B 23/0283
Data processing specially adapted for complex mathematical operations	G06F 17/10
Pattern recognition	G06F 18/00
Computer-aided design [CAD] including design optimisation, verification, or simulation	G06F 30/20
Editing of spreadsheets	G06F 40/18
Computing arrangements based on specific computational models, e.g. neural networks, knowledge-based models or machine learning	G06N
Computing arrangements using knowledge-based models; Dynamic search techniques; Heuristics; Dynamic trees; Branch-and-bound	G06N 5/01
Price estimation or determination	G06Q 30/0283
Finance; Insurance; Tax strategies; Processing of corporate or income taxes	G06Q 40/00

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Predictive alarm systems	G08B 31/00
Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy	H02J
Network analysis or design, e.g. simulation, network model or planning for prediction of network behaviour	H04L 41/147
Network planning tools for wireless communication networks	H04W 16/18

G06Q 10/047**References****Informative references**

Replace: The existing Informative references table with the following revised table:

Steering of agricultural machines or implements; Guiding agricultural machines or implements on a desired track	A01B 69/00
Determining optimum path of e.g. robot arm	B25J 9/1656
Dredgers or soil-shifting machines, control devices guiding machines along a predetermined path	E02F 9/2045
Route searching or route guidance within road network navigation systems	G01C 21/34
Navigation route searching algorithms, e.g. Dijkstra, A*, arc-flags	G01C 21/3446
Control of land vehicles, with means for defining a desired trajectory in accordance with energy consumption, time reduction, or distance reduction criteria	G05D 1/0217
Network design, e.g. design based on topological or interconnect aspects of utility systems, piping, or cabling	G06F 30/18
ICT specially adapted for shipping and routing of goods	G06Q 10/08355

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ICT specially adapted for inventory or stock management and positions of assets in a building	G06Q 10/087
ICT specially adapted for electronic shopping and graphical representations of items or shoppers	G06Q 30/0643
ICT specially adapted for business processes related to the transportation industry	G06Q 50/30
Traffic control systems for road vehicles, arrangements for giving variable traffic instructions, having an indicator mounted inside the vehicle, e.g. giving voice messages and transmission of navigation instructions to the vehicle	G08G 1/0968
Traffic control systems for road vehicles, managing passenger vehicles circulating according to a fixed timetable	G08G 1/123
Traffic control systems for road vehicles, dispatching vehicles on the basis of a location	G08G 1/202

G06Q 10/10**Definition statement**

Replace: The existing the Definition statement text with the following revised text:

Office automation; human resources in the sense of employee administration, contracts, reporting, job applications, etc.; office software especially for collaborative work (groupware) for instance for the electronic equivalent of an office paper flow (drafting, approval, archival).

The following subjects are therefore covered, the list being non-exhaustive:

- Automation of office environment, e.g. document production/workflow using computers or use of standard clauses;
- Automation of contracts, patent applications or insurance policies;
- Processing of claims for an insurance;
- Collaborative creation, e.g. joint development of products or services;
- Version control of documents;
- Human resources.

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References***Informative references***

Insert: The following five new rows into the Informative references table:

File sharing support within file systems	G06F 16/176
File systems types; versioning file systems	G06F 16/1873
Document management systems	G06F 16/93
Version control of natural language text processing	G06F 40/197
ICT specially adapted for the business sector of legal services	G06Q 50/18

G06Q 10/1091**Definition statement**

Replace: The existing the Definition statement text with the following revised text:

Special adaptations of time recording for administrative or management purposes. Subject matter includes analysis or allocation of time worked by an individual.

For example, this includes time management in businesses, e.g. monitoring working time or billable hours or time management in an enterprise environment, e.g. monitoring billable hours or working time accounting for employees.

Insert: The following new Relationships with other classification places section:

Relationships with other classification places

Time recording is to be understood here from an application perspective in this group, e.g. recorded time used for management purposes. Group G07C 1/00 covers time registers, i.e. devices for time recording.

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Insert: The following new References/Informative references section:

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Editing natural language text within of spreadsheets	G06F 40/18
Devices for registering, indicating or recording the time of events or elapsed time, e.g. time-recorders for work people	G07C 1/00

G06Q 10/20

References

Informative references

Insert: The following 10 new rows into the Informative references table:

Monitoring or controlling charging stations for electric vehicles	B60L 53/60
Trackside diagnosis or maintenance for railway traffic	B61L 27/50
Monitoring parameters of shipping vessels for controlling operation, e.g. for determining maintenance schedule	B63B 79/40
Maintaining or repairing aircraft	B64F 5/40
Maintenance or repair of elevators	B66B 5/00
Maintenance or repair of wind motors	F03D 80/50
Testing or monitoring of control systems; response to fault detection; Predictive maintenance	G05B 23/0283
Maintenance of databases	G06F 16/21
ICT specially adapted for the management of repair or maintenance for medical devices and equipment	G16H 40/00
Maintenance of data switching networks	H04L 41/00