COOPERATIVE PATENT CLASSIFICATION

INSTRUMENTS

G06 COMPUTING; CALCULATING; COUNTING

G06Q DATA PROCESSING SYSTEMS OR METHODS, SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES; SYSTEMS OR METHODS SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES, NOT OTHERWISE PROVIDED FOR

NOTES

1. Groups G06Q 10/00 - G06Q 40/00 only cover systems or methods that involve significant data processing operations, i.e. data processing operations that need to be carried out by a technological, e.g. computing, system or device. Group G06Q 90/00 covers systems or methods that do not involve significant data processing, when both of the following conditions are fulfilled:
   - the systems or methods are specially adapted for the purposes mentioned in the subclass title or the titles of groups G06Q 10/00 - G06Q 50/00;
   - the systems or methods cannot be classified elsewhere in the IPC, for example by applying the principles described in paragraph 96 of the Guide.

When classifying such systems or methods in group G06Q 90/00, additional classification may be made in the most closely related group of this or any other subclass, if this classification gives information about the application of the systems or methods that could be of interest for searching. Such non-obligatory classification must be given as "additional information".

2. When classifying in groups G06Q 10/00 - G06Q 40/00, systems or methods that are specially adapted for a specific business sector must also be classified in group G06Q 50/00, when the special adaptation is determined to be novel and non-obvious.

3. In this subclass, the first place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the first appropriate place.

WARNING

G06Q has been largely refined to bring most of the former USPC 705 groups into ECLA, prior to CPC launch. Therefore, most of the new G06Q subdivisions are not complete pending reclassification. Users are invited to systematically consult also the hierarchically higher groups, up to the first valid IPC group. For example, while searching in G06Q 50/2053, it is appropriate to consult also G06Q 50/205 and G06Q 50/20.

10/00 Administration; Management
10/02 . Reservations, e.g. for tickets, services or events
10/025 . . {Coordination of plural reservations, e.g. plural trip segments, transportation combined with accommodation}
10/04 . Forecasting or optimisation, e.g. linear programming, "travelling salesman problem" or "cutting stock problem" {data collection specially adapted for marketing, price determination or demand forecasting G06Q 30/02}
10/043 . . {Optimisation of two dimensional placement, e.g. cutting of clothes or wood}
10/047 . . {Optimisation of routes, e.g. "travelling salesman problem"}
10/06 . Resources, workflows, human or project management, e.g. organising, planning, scheduling or allocating time, human or machine resources; Enterprise planning; Organisational models {financial asset management G06Q 40/09}
10/063 . . {Operations research or analysis}

10/0631 . . . {Resource planning, allocation or scheduling for a business operation}
10/06311 . . . {Scheduling, planning or task assignment for a person or group}
10/06312 . . . . . . . {Skill-based matching of a person or a group to a task}
10/06314 . . . . . . . {Status monitoring or status determination for a person or group}
10/06316 . . . . . . . {Schedule adjustment for a person or group}
10/06318 . . . . . . . {Staff planning in a project environment}
10/06312 . . . . . . . {Adjustment or analysis of established resource schedule, e.g. resource or task levelling, or dynamic rescheduling}
10/06313 . . . . . . . {Resource planning in a project environment}
10/06314 . . . . . . . {Calendaring for a resource}
10/06315 . . . . . . . {Needs-based resource requirements planning or analysis}
10/06316 . . . . . . . {Sequencing of tasks or work}
and G06F 19/328
should be considered in order to perform a complete reclassification of documents from group G06Q 10/10.

Groups G06Q 10/10 and G06F 19/328 should be considered in order to perform a complete search.

20/00 Payment architectures, schemes or protocols
(apparatus for performing or posting payment transactions G07F 7/00; G07F 19/00; electronic cash registers G07G 1/12)

20/02 involving a neutral party, e.g. certification authority, notary or trusted third party [TTP]

20/023 [characterized in that the neutral party is a clearing house]

20/027 [involving a payment switch or gateway]

20/04 Payment circuits

20/042 [characterized in that the payment protocol involves at least one cheque]

20/0425 [the cheque being electronic only]

20/045 [characterized in that the payment protocol involves at least one ticket]

20/0453 [the ticket being an electronic receipt]

20/0457 [characterized in that the ticket is sent electronically]

20/06 Private payment circuits, e.g. involving electronic currency used among participants of a common payment scheme

20/065 [using e-cash]

20/0652 [e-cash with decreasing value according to a parameter, e.g. time]

20/0655 [e-cash managed centrally]

20/0658 [e-cash managed locally]

20/08 Payment architectures

20/085 [involving remote charge determination or related payment systems]

20/0855 [involving a third party]

20/10 specially adapted for electronic funds transfer [EFT] systems; specially adapted for home banking systems

20/102 [Bill distribution or payments]

20/105 [involving programming of a portable memory device, e.g. IC cards, "electronic purses"]

20/108 [Remote banking, e.g. home banking]

20/1085 [involving automatic teller machines [ATMs]]

20/12 specially adapted for electronic shopping systems

20/123 [Shopping for digital content]

20/1235 [with control of digital rights management [DRM]]

20/127 [Shopping or accessing services according to a time-limitation]

20/14 specially adapted for billing systems

20/145 [Payments according to the detected use or quantity]

20/16 Payments settled via telecommunication systems

20/18 involving self- service terminals [SSTs], vending machines, kiosks or multimedia terminals

20/20 Point-of-sale [POS] network systems ([POS per se G07F or G07G])

20/201 [Price look-up processing, e.g. updating]
Characterised by the use of specific devices
Payment schemes or models

- Magnetic cards
- Wireless devices

Pre-payment schemes, e.g. "pay before"
Debit schemes, e.g. "pay now"
Credit schemes, i.e. "pay after"

Available to the payer
Characterised in that multiple accounts are available to the payer

NOTE

Payment protocols; Details thereof
This group covers only the usage of discounts or coupons interacting with the payment of the transaction rights

NOTE
This group covers only the usage of discounts or coupons interacting with the payment of the protocol

20/348... [Single-use cards, i.e. without possibility of recharging]
Commerce, e.g. shopping or e-commerce

30/00

30/01  [Customer relationship, e.g. warranty]
30/012  [Product or service warranty]
30/014  [Product recall]
30/016  [Customer service, i.e. after purchase service]
30/018  [Business or product certification or verification]
30/0185  [Product, service or business identity fraud]
30/02  Marketing, e.g. market research and analysis, surveying, promotions, advertising, buyer profiling, customer management or rewards; Price estimation or determination
30/0201  [Market data gathering, market analysis or market modelling]
30/0202  [Market predictions or demand forecasting]
30/0203  [Market surveys or market polls]
30/0204  [Market segmentation]
30/0205  [Location or geographical consideration]
30/0206  [Price or cost determination based on market factors]
30/0207  [Discounts or incentives, e.g. coupons, rebates, offers or upsales]
30/0208  [Trade or exchange of a good or service for an incentive]
30/0209  [Incentive being awarded or redeemed in connection with the playing of a video game]
30/0211  [Determining discount or incentive effectiveness]
30/0212  [Chance discounts or incentives]
30/0213  [Consumer transaction fees]
30/0214  [Referral award systems]
30/0215  [Including financial accounts]
30/0216  [Investment accounts]
30/0217  [Giving input on a product or service or expressing a customer desire in exchange for an incentive or reward]
30/0218  [based on score]
30/0219  [based on funds or budget]
30/0221  [Re-usable coupons]
30/0222  [During e-commerce, i.e. online transactions]
30/0223  [based on inventory]
30/0224  [based on user history]
30/0225  [Avoiding frauds]
30/0226  [Frequent usage incentive systems, e.g. frequent flyer miles programs or point systems]
30/0227  [Frequent usage incentive value reconciliation between diverse systems]
30/0228  [On-line clearing houses]
30/0229  [Multi-merchant loyalty card systems]
30/0231  [Awarding of a frequent usage incentive independent of the monetary value of a good or service purchased, or distance travelled]
30/0232  [Frequent usage rewards other than merchandise, cash or travel]
30/0233  [Method of redeeming a frequent usage reward]
30/0234  [Rebate after completed purchase, i.e. post transaction awards]
30/0235  [Including timing, i.e. limited awarding or usage time constraint]
30/0236  [Incentive or reward received by requiring registration or ID from user]
30/0237  [at kiosk]
30/0238  [at point-of-sale [POS]]
30/0239  [Online discounts or incentives]
30/0241  [Advertisement]
30/0242  [Determination of advertisement effectiveness]
30/0243  [Comparative campaigns]
30/0244  [Optimization]
30/0245  [Surveys]
30/0246  [Traffic]
30/0247  [Calculate past, present or future revenues]
30/0248  [Avoiding fraud]
30/0249  [based upon budgets or funds]
30/0251  [Targeted advertisement]
30/0252  [based on events or environment, e.g. weather or festivals]
30/0253  [During e-commerce, i.e. online transactions]
30/0254  [based on statistics]
30/0255  [based on user history]
30/0256  [User search]
30/0257  [User requested]
30/0258  [Registration]
30/0259  [based on store location]
30/0261  [based on user location]
30/0262  [during computer stand-by mode]
30/0263  [based upon Internet or website rating]
30/0264  [based upon schedule]
30/0265  [Vehicular advertisement]
30/0266  [based on the position of the vehicle]
30/0267  [Wireless devices]
30/0268  [at point-of-sale [POS]]
30/0269  [based on user profile or attribute]
G06Q

30/0271 . . . . . {Personalized advertisement}
30/0272 . . . . . {Period of advertisement exposure}
30/0273 . . . . . {Fees for advertisement}
30/0274 . . . . . {Split fees}
30/0275 . . . . . {Auctions}
30/0276 . . . . . {Advertisement creation}
30/0277 . . . . . {Online advertisement}
30/0278 . . . . . {Product appraisal}
30/0279 . . . . . {Fundraising management}
30/0281 . . . . . {Customer communication at a business location, e.g. providing product or service information, consulting}
30/0282 . . . . . {Business establishment or product rating or recommendation}
30/0283 . . . . . {Price estimation or determination}
30/0284 . . . . . {Time or distance, e.g. usage of parking meters or taximeters}

NOTE

Constructional aspects of time meters are classified in groups G07B 13/00, G07B 15/00 or G07F 17/24

30/04 . Billing or invoicing (. e.g. tax processing in connection with a sale)
30/06 . Buying, selling or leasing transactions
30/0601 . . [Electronic shopping]
30/0603 . . [Catalogue ordering]
30/0605 . . [Supply or demand aggregation]
30/0607 . . [Regulated]
30/0609 . . [Buyer or seller confidence or verification]
30/0611 . . [Request for offers or quotes]
30/0613 . . [Third-party assisted]
30/0615 . . {Neutral agent}
30/0617 . . {Representative agent}
30/0619 . . {Item configuration or customization}
30/0621 . . {Item investigation}
30/0623 . . {Directed, with specific intent or strategy}
30/0625 . . {using item specifications}
30/0627 . . {for generating comparisons}
30/0629 . . {Item recommendations}
30/0631 . . {Lists, e.g. purchase orders, compilation or processing}
30/0633 . . {Processing of requisition or of purchase orders}
30/0635 . . . . . {Approvals}
30/0637 . . . . . {Item locations}
30/0641 . . . . . {Shopping interfaces}
30/0643 . . . . . {Graphical representation of items or shoppers}
30/0645 . . . . . {Rental, i.e. leasing}
30/08 . . . . . . {Auctions, matching or brokerage (matching or brokerage for stock exchange G06Q 40/04)}

40/00 Finance; Insurance; Tax strategies; Processing of corporate or income taxes

40/02 . . Banking, e.g. interest calculation, credit approval, mortgages, home banking or on-line banking
40/025 . . . {Credit processing or loan processing, e.g. risk analysis for mortgages}
40/04 . . Exchange, e.g. stocks, commodities, derivatives or currency exchange
40/06 . . Investment, e.g. financial instruments, portfolio management or fund management
40/08 . . Insurance, e.g. risk analysis or pensions

WARNING

Group G06Q 40/08 is incomplete pending reclassification of documents from group G06F 19/328.

Groups G06Q 40/08 and G06F 19/328 should be considered in order to perform a complete search.

40/10 . . {Tax strategies}
40/12 . . {Accounting}
40/123 . . . . . {Tax preparation or submission}
40/125 . . . . . {Finance or payroll}
40/128 . . . . . {Check-book balancing, updating or printing arrangements}

50/00 Systems or methods specially adapted for specific business sectors, e.g. utilities or tourism (healthcare informatics G16H)

50/01 . . {Social networking}
50/02 . . Agriculture; Fishing; Mining
50/04 . . Manufacturing
50/06 . . Electricity, gas or water supply
50/08 . . Construction
50/10 . . Services
50/12 . . . . . . Hotels or restaurants
50/14 . . . . . . Travel agencies
50/16 . . . . . . Real estate
50/163 . . . . . {Property management}
50/165 . . . . . . {Land development}
50/167 . . . . . . {Closing}
50/18 . . . . . . . . Legal services; Handling legal documents
50/182 . . . . . . . . {Alternative dispute resolution}
50/184 . . . . . . . . . {Intellectual property management}
50/186 . . . . . . . . . . {Estate planning}
50/188 . . . . . . . . . . . {Electronic negotiation}
50/20 . . . . . . . . Education
50/205 . . . . . . . . . . {Education administration or guidance}
50/2053 . . . . . . . . . {Education institution selection, admissions, or financial aid}
50/2057 . . . . . . . . . . {Career enhancement or continuing education service}
50/22 . . . . . . . . . Social work

WARNING

Group G06Q 50/22 is impacted by reclassification into groups G06Q 50/22 and G16H 10/00 – G16H 80/00.

Groups G06Q 50/22 and G16H 10/00 – G16H 80/00 should be considered in order to perform a complete search.
# WARNING

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**. Groups **G06Q 50/24** and **G16H 10/00** – **G16H 80/00** should be considered in order to perform a complete search.

## 50/26

- Government or public services
- **{Personal security, identity or safety}**

## 50/28

- Logistics, e.g. warehousing, loading, distribution or shipping

## 50/30

- Transportation; Communications

## 50/32

- Post and telecommunications (franking apparatus **G07B 17/00**)

## 50/34

- Betting or bookmaking, e.g. Internet betting

# NOTE

When classifying in this group, classification should also be made in group **G07F 17/32**

## 90/00

Systems or methods specially adapted for administrative, commercial, financial, managerial, supervisory or forecasting purposes, not involving significant data processing

## 90/20

- **{Destination assistance within a business structure or complex}**
- **{Building evacuation}**

## 99/00

Subject matter not provided for in other groups of this subclass

### 2220/00 Business processing using cryptography (postage metering system using cryptography **G06Q 2250/05**)

- Usage protection of distributed data files
- Usage or charge determination
- involving third party for collecting or distributing payments, e.g. clearinghouse
- Adding plural layers of rights or limitations by other than the original producer
- Requiring a supplemental attachment or input, e.g. a dongle, to open
- Specific computer ID, e.g. serial number, configuration
- Copy protection or prevention
- Having origin or program ID
- Licensing

### 2230/00 Voting or election arrangements

### 2240/00 Transportation facility access, e.g. fares, tolls or parking

### 2250/00 Postage metering systems

- using cryptography
- Reloading or recharging
- comprising printing details, e.g. verification of marks
- Special services or fees, e.g. discounts, surcharges or adjustments
- Recharging
- Record keeping
- Data protection