G06Q 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 and G06Q 99/00 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; and
   • 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.

<table>
<thead>
<tr>
<th>10/00</th>
<th>Administration; Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/02</td>
<td>. Reservations, e.g. for tickets, services or events</td>
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<tr>
<td>10/04</td>
<td>. Forecasting or optimisation, e.g. linear programming, &quot;travelling salesman problem&quot; or &quot;cutting stock problem&quot; (data collection specially adapted for marketing, price determination or demand forecasting G06Q 30/02)</td>
</tr>
<tr>
<td>10/06</td>
<td>. 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)</td>
</tr>
<tr>
<td>10/07</td>
<td>. Optimisation of two dimensional placement, e.g. cutting of clothes or wood</td>
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<tr>
<td>10/07</td>
<td>. Optimisation of routes, e.g. &quot;travelling salesman problem&quot;</td>
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</table>

| 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 |
Warning:

Group G06Q 10/10 is incomplete pending reclassification of documents from group G06F 19/328.

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

10/1095 . . . . . . . {Meeting or appointment}
10/1097 . . . . . . . {Task assignment}
10/20 . . . . . . . {Product repair or maintenance administration}
10/30 . . . . . . . {Product recycling or disposal administration}

20/00 Payment architectures, schemes or protocols
(apparatus for performing or posting payment transactions G07F 7/08, 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 . . . {Billing 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}
Payment schemes or models
using cards, e.g. integrated circuit [IC] cards or magnetic cards

NOTE
Features of the apparatus per se should be classified in G07G 1/14

Payment protocols; Details thereof
only the usage of discounts

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

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Card activation or deactivation
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]
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 . . . . [Representative agent] 30/0617 . . . . [Neutral agent] 30/0621 . . . . [Item configuration or customization] 30/0623 . . . . [Item investigation] 30/0625 . . . . [Directed, with specific intent or strategy] 30/0627 . . . . [using item specifications] 30/0629 . . . . [for generating comparisons] 30/0631 . . . . [Item recommendations] 30/0633 . . . . [Lists, e.g. purchase orders, compilation or processing] 30/0635 . . . . [Processing of requisition or of purchase orders] 30/0637 . . . . [Approvals] 30/0639 . . . . [Item locations] 30/0641 . . . . [Shopping interfaces] 30/0643 . . . . [Graphical representation of items or shoppers] 30/0645 . . . . [Rental, i.e. leasing] 30/08 . . . . Auctions (i.e. 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.

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

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


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.
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
50/265 . . . [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]
90/205 . . . [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)
2220/10 . Usage protection of distributed data files
2220/12 . . . Usage or charge determination
2220/123 . . . involving third party for collecting or distributing payments, e.g. clearinghouse
2220/127 . . . Adding plural layers of rights or limitations by other than the original producer
2220/14 . . . Requiring a supplemental attachment or input, e.g. a dongle, to open
2220/145 . . . Specific computer ID, e.g. serial number, configuration
2220/16 . . . Copy protection or prevention
2220/165 . . . Having origin or program ID
2220/18 . . . Licensing

2230/00 Voting or election arrangements

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

2250/00 Postage metering systems
2250/05 . using cryptography
2250/053 . . . Reloading or recharging
2250/057 . . . comprising printing details, e.g. verification of marks
2250/10 . Special services or fees, e.g. discounts, surcharges or adjustments
2250/20 . Recharging
2250/30 . Record keeping
2250/40 . Data protection