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 50/00 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, 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>
<th>10/06</th>
<th>. 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 40/06)</th>
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<tbody>
<tr>
<td>10/02</td>
<td>. Reservations, e.g. for tickets, services or events</td>
<td>10/063</td>
<td>. {Operations research or analysis}</td>
</tr>
<tr>
<td>10/025</td>
<td>. {Coordination of plural reservations, e.g. plural trip segments, transportation combined with accommodation}</td>
<td>10/0631</td>
<td>. {Resource planning, allocation or scheduling for a business operation}</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>
<td>10/06311</td>
<td>. {Scheduling, planning or task assignment for a person or group}</td>
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<td>10/043</td>
<td>. {Optimisation of two dimensional placement, c.e. cutting of clothes or wood}</td>
<td>10/063112</td>
<td>. {Skill-based matching of a person or a group to a task}</td>
</tr>
<tr>
<td>10/047</td>
<td>. {Optimisation of routes, e.g. &quot;travelling salesman problem&quot;}</td>
<td>10/063114</td>
<td>. {Status monitoring or status determination for a person or group}</td>
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<td></td>
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<td>10/063116</td>
<td>. {Schedule adjustment for a person or group}</td>
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<td>10/063118</td>
<td>. {Staff planning in a project environment}</td>
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</table>
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 . . . . [C ohmputer aided management of electronic mail or groupware (electronic mail protocols H04L 29/06 ; arrangements for user-to-user messaging in packet-switching networks, e.g. e-mail or instant messages, H04L 41/00)]; Time management, e.g. calendars, reminders, meetings or time accounting ([organizing, planning, scheduling or allocating time G06Q 10/06)]
10/06315 . . . . [Needs-based resource requirements planning or analysis]
10/06316 . . . . [Sequencing of tasks or work]
10/0633 . . . . [Workflow analysis]
10/0635 . . . . [Risk analysis]
10/0637 . . . . [Strategic management or analysis]
10/06375 . . . . [Prediction of business process outcome or impact based on a proposed change]
10/0639 . . . . [Performance analysis]
10/06393 . . . . [Score-carding, benchmarking or key performance indicator [KPI] analysis]
10/06395 . . . . [Quality analysis or management]
10/06398 . . . . [Performance of employee with respect to a job function]
10/067 . . . . [Business modelling]
10/08 . . . Logistics, e.g. warehousing, loading, distribution or shipping; Inventory or stock management, e.g. order filling, procurement or balancing against orders
10/083 . . . . [Shipping]
10/0831 . . . . [Oversea transactions]
10/0832 . . . . [Special goods or special handling procedures]
10/0833 . . . . [Tracking]
10/0834 . . . . [Choice of carriers]
10/08345 . . . . [Pricing]
10/0835 . . . . [Relationships between shipper or supplier and carrier]
10/08355 . . . . [Routing methods]
10/0836 . . . . [Central recipient pick-ups]
10/0837 . . . . [Return transactions]
10/0838 . . . . [Historical data]
10/087 . . . . [Inventory or stock management, e.g. order filling, procurement, balancing against orders]
10/0875 . . . . [Itemization of parts, supplies, or services, e.g. bill of materials]
10/10 . . . Office automation, e.g. computer aided management of electronic mail or groupware (electronic mail protocols H04L 29/06 ; arrangements for user-to-user messaging in packet-switching networks, e.g. e-mail or instant messages, H04L 41/00)]; Time management, e.g. calendars, reminders, meetings or time accounting ([organizing, planning, scheduling or allocating time G06Q 10/06])
10/101 . . . . [Collaborative creation of products or services]
10/103 . . . . [Workflow collaboration or project management]
10/105 . . . . [Human resources]
10/1053 . . . . [Employment or hiring]
10/1057 . . . . [Benefits package]
10/107 . . . . [Computer aided management of electronic mail (electronic mail protocols H04L 29/06; arrangements for user-to-user messaging in packet-switching networks, e.g. e-mail or instant messages, H04L 41/00)]
10/109 . . . . [Time management, e.g. calendars, reminders, meetings, time accounting ([organizing, planning, scheduling or allocating time G06Q 10/06])]
10/1091 . . . . [Recording time for administrative purposes]
10/1093 . . . . [Calendar-based scheduling for a person or group]
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 . . . [involving that the payment protocol involves at least one cheque]
20/0425 . . . [the cheque being electronic only]
20/045 . . . [involving that the payment protocol involves at least one ticket]
20/0453 . . . [involving the ticket being an electronic receipt]
20/0457 . . . [involving 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 (see POS per se G07F or G07G)
20/201 . . . [Price look-up processing, e.g. updating]
NOTE

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

Payment schemes or models

[comprising interface for record bearing medium or carrier for electronic funds transfer or payment credit]

[comprising security or user identification provision, e.g. password entry]

[Tax processing]

[Input by product or record sensing, e.g. weighing or scanner processing]

[Specified transaction journal output feature, e.g. printed receipt or voice output]

Payment protocols; Details thereof

[Interconnection or interaction of plural electronic cash registers (ECR) or to host computer, e.g. network details, transfer of information from host to ECR or from ECR to ECR]

NOTE

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

[Active cards, i.e. cards including their own processing means, e.g. including an IC or chip]

[Cards acting autonomously as pay-media]

[Cards defining paid or billed services or quantities]
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 upsalses}
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}
WARNING

The backfile of this group is being reclassified into groups G06Q 40/10 and G06Q 40/12. Until reclassification is complete, groups G06Q 40/10 and G06Q 40/12 should be considered in order to perform a complete search.

40/10 . [Tax strategies]

WARNING

G06Q 40/12 is incomplete pending reclassification of documents from G06Q 40/10. Until reclassification is complete, groups G06Q 40/10 and G06Q 40/12 should be considered in order to perform a complete search.

40/06 . Investment, e.g. financial instruments, portfolio management or fund management

40/08 . Insurance, e.g. risk analysis or pensions

[processing of insurance policies or claims G06Q 10/10]

40/12 . [Accounting]

50/00 Systems or methods specially adapted for a specific business sector, e.g. utilities or tourism

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

50/18 . Legal services; Handling legal documents

50/19 . Financial services

50/20 . Education

50/22 . Health care, e.g. hospitals; Social work

50/24 . Patient record management (processing of medical or biological data for scientific purposes G06F 19/00)

50/26 . Government or public services

50/28 . Logistics, e.g. warehousing, loading, distribution or shipping

50/30 . Transportation; Communications

50/32 . Post and telecommunications (franking apparatus G07B 17/00)
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

230/00 Voting or election arrangements

240/00 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

2250/50 . with specific mail handling means

2250/60 . involving mailed item weight

2250/70 . Specific printing

2250/80 . Rate updating

2250/90 . Specialized function performed

2250/905 . . Display controlling