

CPC COOPERATIVE PATENT CLASSIFICATION

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](#)

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| 10/00 | Administration; Management | 10/063116 | {Schedule adjustment for a person or group} |
| 10/02 | . Reservations, e.g. for tickets, services or events | 10/063118 | {Staff planning in a project environment} |
| 10/025 | . . {Coordination of plural reservations, e.g. plural trip segments, transportation combined with accommodation} | 10/06312 | {Adjustment or analysis of established resource schedule, e.g. resource or task levelling, or dynamic rescheduling} |
| 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) } | 10/06313 | {Resource planning in a project environment} |
| 10/043 | . . {Optimisation of two dimensional placement, e.g. cutting of clothes or wood} | 10/06314 | {Calendaring for a resource} |
| 10/047 | . . {Optimisation of routes, e.g. "travelling salesman problem"} | 10/06315 | {Needs-based resource requirements planning or analysis} |
| 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 40/06) } | 10/06316 | {Sequencing of tasks or work} |
| 10/063 | . . {Operations research or analysis} | 10/0633 | {Workflow analysis} |
| 10/0631 | . . . {Resource planning, allocation or scheduling for a business operation} | 10/0635 | {Risk analysis} |
| 10/06311 | {Scheduling, planning or task assignment for a person or group} | 10/0637 | {Strategic management or analysis} |
| 10/063112 | {Skill-based matching of a person or a group to a task} | 10/06375 | {Prediction of business process outcome or impact based on a proposed change} |
| 10/063114 | {Status monitoring or status determination for a person or group} | 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 |

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| 10/083 | . . {Shipping} | 20/0652 | {e-cash with decreasing value according to a parameter, e.g. time} |
| 10/0831 | . . . {Overseas transactions} | 20/0655 | {e-cash managed centrally} |
| 10/0832 | . . . {Special goods or special handling procedures} | 20/0658 | {e-cash managed locally} |
| 10/0833 | . . . {Tracking} | 20/08 | . Payment architectures |
| 10/0834 | . . . {Choice of carriers} | 20/085 | . . {involving remote charge determination or related payment systems} |
| 10/08345 | {Pricing} | 20/0855 | . . . {involving a third party} |
| 10/0835 | . . . {Relationships between shipper or supplier and carrier} | 20/10 | . . specially adapted for electronic funds transfer [EFT] systems; specially adapted for home banking systems |
| 10/08355 | {Routing methods} | 20/102 | . . . {Bill distribution or payments} |
| 10/0836 | . . . {Central recipient pick-ups} | 20/105 | . . . {involving programming of a portable memory device, e.g. IC cards, "electronic purses"} |
| 10/0837 | . . . {Return transactions} | 20/108 | . . . {Remote banking, e.g. home banking} |
| 10/0838 | . . . {Historical data} | 20/1085 | {involving automatic teller machines [ATMs]} |
| 10/087 | . . {Inventory or stock management, e.g. order filling, procurement, balancing against orders} | 20/12 | . . specially adapted for electronic shopping systems |
| 10/0875 | . . . {Itemization of parts, supplies, or services, e.g. bill of materials} | 20/123 | . . . {Shopping for digital content} |
| 10/10 | . Office automation, e.g. computer aided management of electronic mail or groupware (electronic mail network systems H04L 12/58 ; electronic mail protocols H04L 29/06); Time management, e.g. calendars, reminders, meetings or time accounting (organizing, planning, scheduling or allocating time G06Q 10/06)} | 20/1235 | {with control of digital rights management [DRM]} |
| 10/101 | . . {Collaborative creation of products or services} | 20/127 | . . . {Shopping or accessing services according to a time-limitation} |
| 10/103 | . . {Workflow collaboration or project management} | 20/14 | . . specially adapted for billing systems |
| 10/105 | . . {Human resources} | 20/145 | . . . {Payments according to the detected use or quantity} |
| 10/1053 | . . . {Employment or hiring} | 20/16 | . . Payments settled via telecommunication systems |
| 10/1057 | . . . {Benefits package} | 20/18 | . . involving self- service terminals [SST], vending machines, kiosks or multimedia terminals |
| 10/107 | . . {Computer aided management of electronic mail (electronic mail network systems H04L 12/58 ; electronic mail protocols H04L 29/06)} | 20/20 | . . Point-of-sale [POS] network systems (POS per se G07F or G07G)} |
| 10/109 | . . {Time management, e.g. calendars, reminders, meetings, time accounting (organizing, planning, scheduling or allocating time G06Q 10/06)} | 20/201 | . . . {Price look-up processing, e.g. updating} |
| 10/1091 | . . . {Recording time for administrative purposes} | 20/202 | . . . {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} |
| 10/1093 | . . . {Calendar-based scheduling for a person or group} | NOTE | |
| 10/1095 | {Meeting or appointment} | Features of the apparatus per se should be classified in G07G 1/14 | |
| 10/1097 | {Task assignment} | 20/203 | . . . {Inventory monitoring} |
| 10/20 | . {Product repair or maintenance administration} | 20/204 | . . . {comprising interface for record bearing medium or carrier for electronic funds transfer or payment credit} |
| 10/30 | . {Product recycling or disposal administration} | 20/206 | . . . {comprising security or user identification provision, e.g. password entry} |
| 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) | 20/207 | . . . {Tax processing} |
| 20/02 | . involving a neutral party, e.g. certification authority, notary or trusted third party [TTP] | 20/208 | . . . {Input by product or record sensing, e.g. weighing or scanner processing} |
| 20/023 | . . {characterized in that the neutral party is a clearing house} | 20/209 | . . . {Specified transaction journal output feature, e.g. printed receipt or voice output} |
| 20/027 | . . {involving a payment switch or gateway} | 20/22 | . Payment schemes or models |
| 20/04 | . Payment circuits | 20/223 | . . {based on the use of peer-to-peer networks} |
| 20/042 | . . {characterized in that the payment protocol involves at least one cheque} | 20/227 | . . {characterized in that multiple accounts are available to the payer} |
| 20/0425 | . . . {the cheque being electronic only} | 20/24 | . . Credit schemes, i.e. "pay after" |
| 20/045 | . . {characterized in that the payment protocol involves at least one ticket} | 20/26 | . . Debit schemes, e.g. "pay now" |
| 20/0453 | . . . {the ticket being an electronic receipt} | 20/28 | . . Pre-payment schemes, e.g. "pay before" |
| 20/0457 | . . . {characterized in that the ticket is sent electronically} | 20/29 | . . {characterised by micro-payments} |
| 20/06 | . . Private payment circuit, e.g. involving electronic currency used among participants of a common payment scheme | 20/30 | . characterised by the use of specific devices |
| 20/065 | . . . {using e-cash} | 20/305 | . . {using a wired telephone network to facilitate payment} |

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| 30/425 | . . . {using two different networks, one for transaction and one for security confirmation} | 30/0237 | . . . {at kiosk} |
| 30/00 | Commerce, e.g. shopping or e-commerce | 30/0238 | . . . {at point-of-sale [POS]} |
| 30/01 | . {Customer relationship, e.g. warranty} | 30/0239 | . . . {Online discounts or incentives} |
| 30/012 | . . {Product or service warranty} | 30/0241 | . . {Advertisement} |
| 30/014 | . . {Product recall} | 30/0242 | . . . {Determination of advertisement effectiveness} |
| 30/016 | . . {Customer service, i.e. after purchase service} | 30/0243 | {Comparative campaigns} |
| 30/018 | . . {Business or product certification or verification} | 30/0244 | {Optimization} |
| 30/0185 | . . . {Product, service or business identity fraud} | 30/0245 | {Surveys} |
| 30/02 | . Marketing, e.g. market research and analysis, surveying, promotions, advertising, buyer profiling, customer management or rewards; Price estimation or determination | 30/0246 | {Traffic} |
| 30/0201 | . . {Market data gathering, market analysis or market modelling} | 30/0247 | . . . {Calculate past, present or future revenues} |
| 30/0202 | . . {Market predictions or demand forecasting} | 30/0248 | . . . {Avoiding fraud} |
| 30/0203 | . . . {Market surveys or market polls} | 30/0249 | . . . {based upon budgets or funds} |
| 30/0204 | . . . {Market segmentation} | 30/0251 | . . . {Targeted advertisement} |
| 30/0205 | {Location or geographical consideration} | 30/0252 | {based on events or environment, e.g. weather or festivals} |
| 30/0206 | . . . {Price or cost determination based on market factors} | 30/0253 | {During e-commerce, i.e. online transactions} |
| 30/0207 | . . {Discounts or incentives, e.g. coupons, rebates, offers or upsales} | 30/0254 | {based on statistics} |
| 30/0208 | . . . {Trade or exchange of a good or service for an incentive} | 30/0255 | {based on user history} |
| 30/0209 | . . . {Incentive being awarded or redeemed in connection with the playing of a video game} | 30/0256 | {User search} |
| 30/0211 | . . . {Determining discount or incentive effectiveness} | 30/0257 | {User requested} |
| 30/0212 | . . . {Chance discounts or incentives} | 30/0258 | {Registration} |
| 30/0213 | . . . {Consumer transaction fees} | 30/0259 | {based on store location} |
| 30/0214 | . . . {Referral award systems} | 30/0261 | {based on user location} |
| 30/0215 | . . . {Including financial accounts} | 30/0262 | {during computer stand-by mode} |
| 30/0216 | {Investment accounts} | 30/0263 | {based upon Internet or website rating} |
| 30/0217 | . . . {Giving input on a product or service or expressing a customer desire in exchange for an incentive or reward} | 30/0264 | {based upon schedule} |
| 30/0218 | {based on score} | 30/0265 | {Vehicular advertisement} |
| 30/0219 | . . . {based on funds or budget} | 30/0266 | {based on the position of the vehicle} |
| 30/0221 | . . . {Re-usable coupons} | 30/0267 | {Wireless devices} |
| 30/0222 | . . . {During e-commerce, i.e. online transactions} | 30/0268 | {at point-of-sale [POS]} |
| 30/0223 | . . . {based on inventory} | 30/0269 | {based on user profile or attribute} |
| 30/0224 | . . . {based on user history} | 30/0271 | {Personalized advertisement} |
| 30/0225 | . . . {Avoiding frauds} | 30/0272 | . . . {Period of advertisement exposure} |
| 30/0226 | . . . {Frequent usage incentive systems, e.g. frequent flyer miles programs or point systems} | 30/0273 | . . . {Fees for advertisement} |
| 30/0227 | {Frequent usage incentive value reconciliation between diverse systems} | 30/0274 | {Split fees} |
| 30/0228 | {On-line clearing houses} | 30/0275 | {Auctions} |
| 30/0229 | {Multi-merchant loyalty card systems} | 30/0276 | . . . {Advertisement creation} |
| 30/0231 | {Awarding of a frequent usage incentive independent of the monetary value of a good or service purchased, or distance travelled} | 30/0277 | . . . {Online advertisement} |
| 30/0232 | {Frequent usage rewards other than merchandise, cash or travel} | 30/0278 | . . {Product appraisal} |
| 30/0233 | {Method of redeeming a frequent usage reward} | 30/0279 | . . {Fundraising management} |
| 30/0234 | . . . {Rebate after completed purchase, i.e. post transaction awards} | 30/0281 | . . {Customer communication at a business location, e.g. providing product or service information, consulting} |
| 30/0235 | . . . {Including timing, i.e. limited awarding or usage time constraint} | 30/0282 | . . {Business establishment or product rating or recommendation} |
| 30/0236 | . . . {Incentive or reward received by requiring registration or ID from user} | 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} |

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| 30/0611 | . . . {Request for offers or quotes} | 50/04 | . Manufacturing |
| 30/0613 | . . . {Third-party assisted} | 50/06 | . Electricity, gas or water supply |
| 30/0615 | {Anonymizing} | 50/08 | . Construction |
| 30/0617 | {Representative agent} | 50/10 | . Services |
| 30/0619 | {Neutral agent} | 50/12 | . . Hotels or restaurants |
| 30/0621 | . . . {Item configuration or customization} | 50/14 | . . Travel agencies |
| 30/0623 | . . . {Item investigation} | 50/16 | . . Real estate |
| 30/0625 | {Directed, with specific intent or strategy} | 50/163 | . . . {Property management} |
| 30/0627 | {using item specifications} | 50/165 | . . . {Land development} |
| 30/0629 | {for generating comparisons} | 50/167 | . . . {Closing} |
| 30/0631 | . . . {Item recommendations} | 50/18 | . . Legal services; Handling legal documents |
| 30/0633 | . . . {Lists, e.g. purchase orders, compilation or processing} | 50/182 | . . . {Alternative dispute resolution} |
| 30/0635 | {Processing of requisition or of purchase orders} | 50/184 | . . . {Intellectual property management} |
| 30/0637 | {Approvals} | 50/186 | . . . {Estate planning} |
| 30/0639 | . . . {Item locations} | 50/188 | . . . {Electronic negotiation} |
| 30/0641 | . . . {Shopping interfaces} | 50/20 | . . Education |
| 30/0643 | {Graphical representation of items or shoppers} | 50/205 | . . . {Education administration or guidance} |
| 30/0645 | . . {Rental, i.e. leasing} | 50/2053 | {Education institution selection, admissions, or financial aid} |
| 30/08 | . . Auctions, {matching or brokerage (matching or brokerage for stock exchange G06Q 40/04)} | 50/2057 | {Career enhancement or continuing education service} |
| 40/00 | Finance; Insurance; Tax strategies; Processing of corporate or income taxes | 50/22 | . . Health care, e.g. hospitals; Social work |
| 40/02 | . Banking, e.g. interest calculation, credit approval, mortgages, home banking or on-line banking | 50/24 | . . . Patient record management (processing of medical or biological data for scientific purposes G06F 19/00) |
| 40/025 | . . {Credit processing or loan processing, e.g. risk analysis for mortgages} | 50/26 | . . Government or public service |
| 40/04 | . Exchange, e.g. stocks, commodities, derivatives or currency exchange | 50/265 | . . . {Personal security, identity or safety} |
| 40/06 | . Investment, e.g. financial instruments, portfolio management or fund management | 50/28 | . Logistics, e.g. warehousing, loading, distribution or shipping |
| 40/08 | . Insurance, e.g. risk analysis or pensions {(processing of insurance policies or claims G06Q 10/10)} | 50/30 | . Transportation; Communications |
| 40/10 | . {Tax strategies} | 50/32 | . . Post and telecommunications (franking apparatus G07B 17/00) |
| | <u>WARNING</u> | 50/34 | . Betting or bookmaking, e.g. Internet betting |
| | 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. | | <u>NOTE</u> |
| 40/12 | . {Accounting} | | When classifying in this group, classification should also be made in group G07F 17/32 |
| | <u>WARNING</u> | 90/00 | Systems or methods specially adapted for administrative, commercial, financial, managerial, supervisory or forecasting purposes, not involving significant data processing |
| | 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. | 90/20 | . {Destination assistance within a business structure or complex} |
| 40/123 | . . {Tax preparation or submission} | 90/205 | . . {Building evacuation} |
| 40/125 | . . {Finance or payroll} | 99/00 | Subject matter not provided for in other groups of this subclass |
| 40/128 | . . {Check-book balancing, updating or printing arrangements} | 2220/00 | Business processing using cryptography (postage metering system using cryptography G06Q 2250/05) |
| 50/00 | Systems or methods specially adapted for a specific business sector, e.g. utilities or tourism | 2220/10 | . Usage protection of distributed data files |
| 50/01 | . {Social networking} | 2220/12 | . . Usage or charge determination |
| 50/02 | . Agriculture; Fishing; Mining | 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

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