

# CPC COOPERATIVE PATENT CLASSIFICATION

## G PHYSICS (NOTES omitted)

### INSTRUMENTS

## G06 COMPUTING; CALCULATING OR COUNTING (NOTES omitted)

## G06Q INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL OR SUPERVISORY PURPOSES; SYSTEMS OR METHODS SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL OR SUPERVISORY PURPOSES, NOT OTHERWISE PROVIDED FOR

### NOTES

- 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, for example by applying the principles described in paragraph 96 of the Guide to the IPC.

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 search. Such non-obligatory classification must be given as "additional information".

### WARNINGS

- [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](#)
- In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

### 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 specially adapted for administrative or management purposes, e.g. linear programming or "cutting stock problem" (market predictions or forecasting for commercial activities [G06Q 30/0202](#))
- 10/043 . . {Optimisation of two dimensional placement, e.g. cutting of clothes or wood}
- 10/047 . . Optimisation of routes or paths, e.g. travelling salesman problem

- 10/06 . Resources, workflows, human or project management; Enterprise or organisation planning; Enterprise or organisation modelling

### WARNING

Group [G06Q 10/06](#) is incomplete pending reclassification of documents from group [E21B 41/0092](#).

Groups [E21B 41/0092](#) and [G06Q 10/06](#) should be considered in order to perform a complete search.

- 10/063 . . Operations research, analysis or management
- 10/0631 . . . Resource planning, allocation, distributing or scheduling for enterprises or organisations
- 10/06311 . . . . {Scheduling, planning or task assignment for a person or group}
- 10/063112 . . . . . {Skill-based matching of a person or a group to a task}
- 10/063114 . . . . . {Status monitoring or status determination for a person or group}
- 10/063116 . . . . . {Schedule adjustment for a person or group}

- 10/063118 . . . . {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 . . . . {Calendar for a resource}
- 10/06315 . . . . {Needs-based resource requirements planning or analysis}
- 10/06316 . . . . {Sequencing of tasks or work}
- 10/0633 . . . Workflow analysis
- 10/0635 . . . Risk analysis of enterprise or organisation activities
- 10/0637 . . . Strategic management or analysis, e.g. setting a goal or target of an organisation; Planning actions based on goals; Analysis or evaluation of effectiveness of goals
- 10/06375 . . . . {Prediction of business process outcome or impact based on a proposed change}
- 10/0639 . . . Performance analysis of employees; Performance analysis of enterprise or organisation operations
- 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 . . . Enterprise or organisation modelling
- 10/08 . . Logistics, e.g. warehousing, loading or distribution; Inventory or stock management
- 10/083 . . Shipping

**WARNING**

Group [G06Q 10/083](#) is incomplete pending reclassification of documents from groups [G06Q 50/40](#) and [G06Q 50/60](#).

Groups [G06Q 50/40](#), [G06Q 50/60](#) and [G06Q 10/083](#) should be considered in order to perform a complete search.

- 10/0831 . . . Overseas transactions
- 10/0832 . . . Special goods or special handling procedures, e.g. handling of hazardous or fragile goods
- 10/0833 . . . Tracking
- 10/0834 . . . Choice of carriers
- 10/08345 . . . . {Pricing}
- 10/0835 . . . Relationships between shipper or supplier and carriers
- 10/08355 . . . . {Routing methods}
- 10/0836 . . . Recipient pick-ups
- 10/0837 . . . Return transactions
- 10/0838 . . . {Historical data}
- 10/087 . . . Inventory or stock management, e.g. order filling, procurement or balancing against orders
- 10/0875 . . . Itemisation or classification of parts, supplies or services, e.g. bill of materials
- 10/10 . . Office automation; Time management
- 10/101 . . Collaborative creation, e.g. joint development of products or services
- 10/103 . . . {Workflow collaboration or project management}
- 10/105 . . Human resources
- 10/1053 . . . Employment or hiring
- 10/1057 . . . Benefits or employee welfare, e.g. insurance, holiday or retirement packages

- 10/107 . . Computer-aided management of electronic mailing [e-mailing]
- 10/109 . . Time management, e.g. calendars, reminders, meetings or time accounting
- 10/1091 . . . Recording time for administrative or management purposes
- 10/1093 . . . Calendar-based scheduling for persons or groups
- 10/1095 . . . . {Meeting or appointment}
- 10/1097 . . . . {Task assignment}
- 10/20 . . Administration of product repair or maintenance
- 10/30 . . Administration of product recycling or disposal
- 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 . . . {the neutral party being 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 . . . {using payment protocols involving tickets}
- 20/0457 . . . . {the tickets being sent electronically}
- 20/047 . . . {using payment protocols involving electronic receipts}
- 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 [SST], vending machines, kiosks or multimedia terminals
- 20/20 . . Point-of-sale [POS] network systems
- 20/201 . . . . {Price look-up processing, e.g. updating}

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}	20/327	. . . {Short range or proximity payments by means of M-devices}
	<b>NOTE</b>	20/3272	. . . {using an audio code}
	Features of the apparatus <u>per se</u> should be classified in <a href="#">G07G 1/14</a>	20/3274	. . . {using a pictured code, e.g. barcode or QR-code, being displayed on the M-device}
20/203	. . . {Inventory monitoring}	20/3276	. . . {using a pictured code, e.g. barcode or QR-code, being read by the M-device}
20/204	. . . {comprising interface for record bearing medium or carrier for electronic funds transfer or payment credit}	20/3278	. . . {RFID or NFC payments by means of M-devices}
20/206	. . . {comprising security or operator identification provisions, e.g. password entry}	20/34	. . using cards, e.g. integrated circuit [IC] cards or magnetic cards
20/207	. . . {Tax processing}	20/341	. . . {Active cards, i.e. cards including their own processing means, e.g. including an IC or chip}
20/208	. . . {Input by product or record sensing, e.g. weighing or scanner processing}	20/3415	. . . {Cards acting autonomously as pay-media}
20/209	. . . {Specified transaction journal output feature, e.g. printed receipt or voice output}	20/342	. . . {Cards defining paid or billed services or quantities}
20/22	. Payment schemes or models	20/343	. . . {Cards including a counter}
20/223	. . {based on the use of peer-to-peer networks}	20/3433	. . . {the counter having monetary units}
20/227	. . {characterised in that multiple accounts are available, e.g. to the payer}	20/3437	. . . {the counter having non-monetary units, e.g. trips}
20/229	. . {Hierarchy of users of accounts}	20/346	. . . {Cards serving only as information carrier of service}
20/2295	. . . {Parent-child type, e.g. where parent has control on child rights}	20/347	. . . {Passive cards}
20/24	. . Credit schemes, i.e. "pay after"	20/348	. . . {Single-use cards, i.e. without possibility of recharging}
20/26	. . Debit schemes, e.g. "pay now"	20/349	. . . {Rechargeable cards}
20/28	. . Pre-payment schemes, e.g. "pay before"	20/351	. . . {Virtual cards}
20/29	. . {characterised by micropayments}	20/352	. . . {Contactless payments by cards}
20/30	. characterised by the use of specific devices {or networks}	20/353	. . . {Payments by cards read by M-devices}
20/305	. . {using wired telephone networks}	20/354	. . . {Card activation or deactivation}
20/306	. . {using TV related infrastructures (external card used for payment with client device <a href="#">H04N 21/4185</a> )}	20/355	. . . {Personalisation of cards for use}
20/308	. . {using the Internet of Things}	20/3552	. . . {Downloading or loading of personalisation data}
20/32	. . using wireless devices	20/3555	. . . {Personalisation of two or more cards}
20/321	. . . {using wearable devices}	20/3558	. . . {Preliminary personalisation for transfer to user}
20/322	. . . {Aspects of commerce using mobile devices [M-devices]}	20/356	. . . {Aspects of software for card payments}
20/3221	. . . . {Access to banking information through M-devices}	20/3563	. . . . {Software being resident on card}
20/3223	. . . . {Realising banking transactions through M-devices}	20/3567	. . . . {Software being in the reader}
20/3224	. . . . {Transactions dependent on location of M-devices}	20/357	. . . {Cards having a plurality of specified features}
20/3226	. . . . {Use of secure elements separate from M-devices}	20/3572	. . . . {Multiple accounts on card}
20/3227	. . . . {using secure elements embedded in M-devices}	20/3574	. . . . {Multiple applications on card}
20/3229	. . . . {Use of the SIM of a M-device as secure element}	20/3576	. . . . {Multiple memory zones on card}
20/325	. . . {using wireless networks}	20/35765	. . . . . {Access rights to memory zones}
20/3255	. . . . {using mobile network messaging services for payment, e.g. SMS}	20/36	. . using electronic wallets or electronic money safes
20/326	. . . {Payment applications installed on the mobile devices}	20/363	. . . {with the personal data of a user}
20/3263	. . . . {characterised by activation or deactivation of payment capabilities}	20/367	. . . {involving electronic purses or money safes}
20/3265	. . . . {characterised by personalisation for use}	20/3672	. . . . {initialising or reloading thereof}
20/3267	. . . . {In-app payments}	20/3674	. . . . {involving authentication}
		20/3676	. . . . {Balancing accounts}
		20/3678	. . . . {e-cash details, e.g. blinded, divisible or detecting double spending}
		20/38	. Payment protocols; Details thereof
		20/381	. . {Currency conversion}
		20/382	. . {insuring higher security of transaction}
		20/3821	. . . {Electronic credentials}
		20/38215	. . . . {Use of certificates or encrypted proofs of transaction rights}
		20/3823	. . . {combining multiple encryption tools for a transaction}
		20/3825	. . . {Use of electronic signatures}
		20/3827	. . . {Use of message hashing}
		20/3829	. . . {involving key management}

- 20/383 . . {Anonymous user system}
- 20/384 . . {using social networks}
- 20/385 . . {using an alias or single-use codes}
- 20/386 . . {using messaging services or messaging apps (using mobile network messaging services for payment, e.g. SMS [G06Q 20/3255](#))}
- 20/387 . . {Payment using discounts or coupons (relating to marketing [G06Q 30/02](#))}

**NOTE**

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

- 20/388 . . {using mutual authentication without cards, e.g. challenge-response}
- 20/389 . . {Keeping log of transactions for guaranteeing non-repudiation of a transaction}
- 20/40 . . Authorisation, e.g. identification of payer or payee, verification of customer or shop credentials; Review and approval of payers, e.g. check credit lines or negative lists
- 20/401 . . . {Transaction verification}
- 20/4012 . . . . {Verifying personal identification numbers [PIN]}
- 20/4014 . . . . {Identity check for transactions}
- 20/40145 . . . . . {Biometric identity checks}
- 20/4015 . . . . {using location information}
- 20/40155 . . . . . {for triggering transactions}
- 20/4016 . . . . {involving fraud or risk level assessment in transaction processing}
- 20/4018 . . . . {using the card verification value [CVV] associated with the card}
- 20/403 . . . {Solvency checks}
- 20/4033 . . . . {Local solvency checks}
- 20/4037 . . . . {Remote solvency checks}
- 20/405 . . . {Establishing or using transaction specific rules}
- 20/407 . . . {Cancellation of a transaction}
- 20/409 . . . {Device specific authentication in transaction processing}
- 20/4093 . . . . {Monitoring of device authentication}
- 20/4097 . . . . {using mutual authentication between devices and transaction partners}
- 20/40975 . . . . . {using encryption therefor}
- 20/42 . . Confirmation, e.g. check or permission by the legal debtor of payment
- 20/425 . . . {using two different networks, one for transaction and one for security confirmation}

**30/00 Commerce**

- 30/01 . Customer relationship services

**WARNING**

Group [G06Q 30/01](#) is impacted by reclassification into group [G06Q 30/015](#).

Groups [G06Q 30/01](#) and [G06Q 30/015](#) should be considered in order to perform a complete search.

- 30/012 . . Providing warranty services
- 30/014 . . Providing recall services for goods or products

- 30/015 . . Providing customer assistance, e.g. assisting a customer within a business location or via helpdesk

**WARNING**

Group [G06Q 30/015](#) is incomplete pending reclassification of documents from group [G06Q 30/01](#).

Groups [G06Q 30/01](#) and [G06Q 30/015](#) should be considered in order to perform a complete search.

- 30/016 . . . After-sales
- 30/018 . Certifying business or products
- 30/0185 . . {Product, service or business identity fraud}
- 30/02 . Marketing; Price estimation or determination; Fundraising
- 30/0201 . . Market modelling; Market analysis; Collecting market data
- 30/0202 . . . Market predictions or forecasting for commercial activities
- 30/0203 . . . Market surveys; 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 or rebates
- 30/0208 . . . Trade or exchange of goods or services in exchange for incentives or rewards
- 30/0209 . . . {Incentive being awarded or redeemed in connection with the playing of a video game}
- 30/0211 . . . Determining the effectiveness of discounts or incentives
- 30/0212 . . . {Chance discounts or incentives}
- 30/0213 . . . {Consumer transaction fees}
- 30/0214 . . . Referral reward systems
- 30/0215 . . . {Including financial accounts}
- 30/0216 . . . . {Investment accounts}
- 30/0217 . . . involving input on products or services in exchange for incentives or rewards
- 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 . . . Incentive systems for frequent usage, 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 . . . Rebates after completed purchase
- 30/0235 . . . constrained by time limit or expiration date
- 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 . . Advertisements
- 30/0242 . . . Determining effectiveness of advertisements
- 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 advertisements
- 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 . . . Determination of fees for advertising
- 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 . . Rating or review of business operators or products
- 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
- 30/06 . . Buying, selling or leasing transactions
- 30/0601 . . Electronic shopping [e-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 . . . . {Anonymizing}
- 30/0617 . . . . {Representative agent}
- 30/0619 . . . . {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 transactions; Leasing transactions
- 30/08 . . Auctions

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

- 40/02 . . Banking, e.g. interest calculation or account maintenance ([credit or loans G06Q 40/03](#))
- 40/03 . . Credit; Loans; Processing thereof
- 40/04 . . Trading; Exchange, e.g. stocks, commodities, derivatives or currency exchange
- 40/06 . . Asset management; Financial planning or analysis
- 40/08 . . Insurance
- 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 Information and communication technology [ICT] specially adapted for implementation of business processes of specific business sectors, e.g. utilities or tourism ([healthcare informatics G16H](#))****WARNING**

Group [G06Q 50/00](#) is impacted by reclassification into groups [G06Q 50/02](#), [G06Q 50/06](#) and [G06Q 50/22](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 50/01 . . {Social networking}
- 50/02 . . Agriculture; Fishing; Forestry; Mining

**WARNING**

Group [G06Q 50/02](#) is incomplete pending reclassification of documents from group [G06Q 50/00](#).

Groups [G06Q 50/00](#) and [G06Q 50/02](#) should be considered in order to perform a complete search.

- 50/04 . . Manufacturing

- 50/06 . Energy or water supply

**WARNING**

Group [G06Q 50/06](#) is incomplete pending reclassification of documents from group [G06Q 50/00](#).

Groups [G06Q 50/00](#) and [G06Q 50/06](#) should be considered in order to perform a complete search.

- 50/08 . Construction  
 50/10 . Services  
 50/12 . . Hotels or restaurants  
 50/14 . . Travel agencies  
 50/16 . . Real estate  
 50/163 . . . Real estate management  
 50/165 . . . {Land development}  
 50/167 . . . {Closing}  
 50/18 . . Legal services  
 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 or social welfare, e.g. community support activities or counselling services

**WARNING**

Group [G06Q 50/22](#) is incomplete pending reclassification of documents from group [G06Q 50/00](#).

Groups [G06Q 50/00](#) and [G06Q 50/22](#) should be considered in order to perform a complete search.

- 50/26 . . Government or public services ([business processes related to the transportation industry G06Q 50/40](#))

**WARNING**

Group [G06Q 50/26](#) is impacted by reclassification into group [G06Q 50/40](#).

Groups [G06Q 50/26](#) and [G06Q 50/40](#) should be considered in order to perform a complete search.

- 50/265 . . . {Personal security, identity or safety}  
 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](#)

- 50/40 . Business processes related to the transportation industry ([shipping G06Q 10/083](#))

**WARNING**

Group [G06Q 50/40](#) is incomplete pending reclassification of documents from group [G06Q 50/26](#). Group [G06Q 50/40](#) is also impacted by reclassification into groups [G06Q 10/083](#), [G06Q 50/43](#), [G06Q 50/47](#), [G06Q 50/50](#), [H04L 12/14](#), [H04M 3/00](#), [H04M 15/00](#), [H04M 17/00](#) and [H04W 4/24](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 50/43 . . Business processes related to the sharing of vehicles, e.g. car sharing

**WARNING**

Groups [G06Q 50/43](#) and [G06Q 50/47](#) are incomplete pending reclassification of documents from group [G06Q 50/40](#).

Groups [G06Q 50/40](#), [G06Q 50/43](#) and [G06Q 50/47](#) should be considered in order to perform a complete search.

- 50/47 . . . Passenger ride requests, e.g. ride-hailing  
 50/50 . Business processes related to the communications industry ([metering or billing arrangements H04L 12/14](#); [telephonic communication involving automatic or semi-automatic exchanges H04M 3/00](#); [arrangements for metering, time-control or time indication H04M 15/00](#); [prepayment telephone systems H04M 17/00](#); [accounting or billing for wireless communication networks H04W 4/24](#))

**WARNING**

Group [G06Q 50/50](#) is incomplete pending reclassification of documents from group [G06Q 50/40](#).

Groups [G06Q 50/40](#) and [G06Q 50/50](#) should be considered in order to perform a complete search.

- 50/60 . Business processes related to postal services ([shipping G06Q 10/083](#); [franking apparatus G07B 17/00](#))

**WARNING**

Group [G06Q 50/60](#) is impacted by reclassification into group [G06Q 10/083](#).

Groups [G06Q 50/60](#) and [G06Q 10/083](#) should be considered in order to perform a complete search.

- 90/00 **Systems or methods specially adapted for administrative, commercial, financial, managerial or supervisory 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
- 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