

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G06 COMPUTING OR CALCULATING; 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

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.
2. 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

1. [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](#)
2. 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

WARNING

Group [G06Q 10/02](#) is impacted by reclassification into groups [G06Q 10/021](#), [G06Q 10/022](#), [G06Q 10/026](#), [G06Q 10/027](#), [G06Q 10/028](#), [G06Q 10/0281](#), [G06Q 10/0283](#), [G06Q 10/0285](#) and [G06Q 10/0287](#).

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

10/021 . . {Re-booking existing reservations}

WARNING

Group [G06Q 10/021](#) is incomplete pending reclassification of documents from group [G06Q 10/02](#).

Groups [G06Q 10/02](#) and [G06Q 10/021](#) should be considered in order to perform a complete search.

10/022 . . {Reservation systems with overbooking processing}

WARNING

Group [G06Q 10/022](#) is incomplete pending reclassification of documents from group [G06Q 10/02](#).

Groups [G06Q 10/02](#) and [G06Q 10/022](#) should be considered in order to perform a complete search.

10/025 . . {Coordination of plural reservations, e.g. plural trip segments, transportation combined with accommodation}

10/026 . . {for sport or leisure activities, e.g. booking tennis courts, athletic fields or a bike at a class or gymnasium}

WARNING

Group [G06Q 10/026](#) is incomplete pending reclassification of documents from group [G06Q 10/02](#).
Groups [G06Q 10/02](#) and [G06Q 10/026](#) should be considered in order to perform a complete search.

10/027 . . {Changing the assignment of an existing reservation}

WARNING

Group [G06Q 10/027](#) is incomplete pending reclassification of documents from group [G06Q 10/02](#).
Groups [G06Q 10/02](#) and [G06Q 10/027](#) should be considered in order to perform a complete search.

10/028 . . {for seating or spaces in a venue}

WARNING

Groups [G06Q 10/028](#), [G06Q 10/0281](#), [G06Q 10/0283](#), [G06Q 10/0285](#) and [G06Q 10/0287](#) are incomplete pending reclassification of documents from group [G06Q 10/02](#).
All groups listed in this Warning should be considered in order to perform a complete search.

10/0281 . . . {for arena or stadium seating}

10/0283 . . . {for travel seating}

10/0285 . . . {for lodging}

10/0287 . . . {for portions of office space}

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

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}

WARNING

Group [G06Q 10/063116](#) is impacted by reclassification into group [G06Q 10/063119](#).
Groups [G06Q 10/063116](#) and [G06Q 10/063119](#) should be considered in order to perform a complete search.

10/063118 {Staff planning in a project environment}

WARNING

Group [G06Q 10/063118](#) is impacted by reclassification into group [G06Q 10/063119](#).
Groups [G06Q 10/063118](#) and [G06Q 10/063119](#) should be considered in order to perform a complete search.

10/063119 {Staff planning or adjustment in a physical establishment based on arrival predictions or arrival tracking}

WARNING

Group [G06Q 10/063119](#) is incomplete pending reclassification of documents from groups [G06Q 10/063116](#) and [G06Q 10/063118](#).
Groups [G06Q 10/063116](#), [G06Q 10/063118](#) and [G06Q 10/063119](#) should be considered in order to perform a complete search.

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}

WARNING

Group [G06Q 10/06313](#) is impacted by reclassification into group [G06Q 10/06317](#).
Groups [G06Q 10/06313](#) and [G06Q 10/06317](#) should be considered in order to perform a complete search.

10/06314 {Calendar for a resource}

10/06315 {Needs-based resource requirements planning or analysis}

10/06316 {Sequencing of tasks or work}

10/06317 {Resource planning based on arrival predictions or arrival tracking}

WARNING

Group [G06Q 10/06317](#) is incomplete pending reclassification of documents from group [G06Q 10/06313](#).
Groups [G06Q 10/06313](#) and [G06Q 10/06317](#) should be considered in order to perform a complete search.

- 10/0633 . . . Workflow analysis
- WARNING**
- Group [G06Q 10/0633](#) is impacted by reclassification into groups [G06Q 10/06332](#) and [G06Q 10/06334](#).
- Groups [G06Q 10/0633](#), [G06Q 10/06332](#) and [G06Q 10/06334](#) should be considered in order to perform a complete search.
- 10/0632 {using business process templates}
- WARNING**
- Group [G06Q 10/06332](#) is incomplete pending reclassification of documents from group [G06Q 10/0633](#).
- Groups [G06Q 10/0633](#) and [G06Q 10/06332](#) should be considered in order to perform a complete search.
- 10/0634 {using forecasting or predicting}
- WARNING**
- Group [G06Q 10/06334](#) is incomplete pending reclassification of documents from group [G06Q 10/0633](#).
- Groups [G06Q 10/0633](#) and [G06Q 10/06334](#) should be considered in order to perform a complete search.
- 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
- WARNING**
- Group [G06Q 10/067](#) is impacted by reclassification into groups [G06Q 10/0672](#) and [G06Q 10/0674](#).
- Groups [G06Q 10/067](#), [G06Q 10/0672](#) and [G06Q 10/0674](#) should be considered in order to perform a complete search.
- 10/0672 {using organisation reporting relationships}
- WARNING**
- Group [G06Q 10/0672](#) is incomplete pending reclassification of documents from group [G06Q 10/067](#).
- Groups [G06Q 10/067](#) and [G06Q 10/0672](#) should be considered in order to perform a complete search.
- 10/0674 {using process simulation}
- WARNING**
- Group [G06Q 10/0674](#) is incomplete pending reclassification of documents from group [G06Q 10/067](#).
- Groups [G06Q 10/067](#) and [G06Q 10/0674](#) should be considered in order to perform a complete search.
- 10/08 . Logistics, e.g. warehousing, loading or distribution; Inventory or stock management
- 10/083 . . Shipping
- WARNINGS**
1. Group [G06Q 10/083](#) is incomplete pending reclassification of documents from group [G06Q 10/087](#). Group [G06Q 10/083](#) is also impacted by reclassification into groups [G06Q 10/0841](#), [G06Q 10/0843](#) and [G06Q 10/08365](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
2. Group [G06Q 10/083](#) is incomplete pending reclassification of documents from groups [G06Q 30/0633](#) and [G06Q 30/0635](#).
- Groups [G06Q 30/0633](#), [G06Q 30/0635](#) and [G06Q 10/083](#) should be considered in order to perform a complete search.
3. 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
- WARNING**
- Group [G06Q 10/0836](#) is impacted by reclassification into group [G06Q 10/08365](#).
- Groups [G06Q 10/0836](#) and [G06Q 10/08365](#) should be considered in order to perform a complete search.
- 10/08365 {Deliveries to storage lockers}
- WARNING**
- Group [G06Q 10/08365](#) is incomplete pending reclassification of documents from groups [G06Q 10/083](#) and [G06Q 10/0836](#).
- Groups [G06Q 10/083](#), [G06Q 10/0836](#) and [G06Q 10/08365](#) should be considered in order to perform a complete search.

10/0837	. . . Return transactions	10/0874	. . . {Inventory fulfillment (shipping G06Q 10/083)}
10/0838	. . . {Historical data}		
10/0841	. . . {Compliance with shipping requirements}		
	WARNING		WARNING
	Group G06Q 10/0841 is incomplete pending reclassification of documents from group G06Q 10/083 .		Groups G06Q 10/0874 , G06Q 10/08741 , G06Q 10/08743 and G06Q 10/08744 are incomplete pending reclassification of documents from group G06Q 10/087 .
	Groups G06Q 10/083 and G06Q 10/0841 should be considered in order to perform a complete search.		All groups listed in this Warning should be considered in order to perform a complete search.
10/0843	. . . {using forecasting or optimisation}	10/08741	. . . . {by picking of items from inventory for fulfillment}
	WARNING	10/08743	. . . . . {using optimisation of routes}
	Group G06Q 10/0843 is incomplete pending reclassification of documents from group G06Q 10/083 .	10/08744	. . . . . {by distributed inventory management}
	Groups G06Q 10/083 and G06Q 10/0843 should be considered in order to perform a complete search.	10/0875	. . . Itemisation or classification of parts, supplies or services, e.g. bill of materials
		10/0877	. . . {by inventory control or reporting using inventory tracking or counting}
			WARNING
10/087	. . Inventory or stock management, e.g. order filling, procurement or balancing against orders		Groups G06Q 10/0877 , G06Q 10/08772 , G06Q 10/08774 , G06Q 10/08776 and G06Q 10/08778 are incomplete pending reclassification of documents from group G06Q 10/087 .
	WARNINGS		All groups listed in this Warning should be considered in order to perform a complete search.
	1. Group G06Q 10/087 is impacted by reclassification into groups G06Q 10/0872 , G06Q 10/08724 , G06Q 10/08726 , G06Q 10/08728 , G06Q 10/0874 , G06Q 10/083 , G06Q 10/08741 , G06Q 10/08743 , G06Q 10/08744 , G06Q 10/0877 , G06Q 10/08772 , G06Q 10/08774 , G06Q 10/08776 and G06Q 10/08778 .	10/08772	. . . . {Inventory counting methods}
	All groups listed in this Warning should be considered in order to perform a complete search.	10/08774	. . . . {using consumer inventory reporting}
	2. Group G06Q 10/087 is incomplete pending reclassification of documents from groups G06Q 30/0633 and G06Q 30/0635 .	10/08776	. . . . {by management of storage life of perishable or hazardous products}
	Groups G06Q 30/0633 , G06Q 30/0635 and G06Q 10/087 should be considered in order to perform a complete search.	10/08778	. . . . {for managing mis-shipments, lost items or stolen goods}
		10/10	. Office automation; Time management
10/0872	. . . {using inventory planning}	10/101	. . Collaborative creation, e.g. joint development of products or services
	WARNING	10/103	. . {Workflow collaboration or project management}
	Groups G06Q 10/0872 , G06Q 10/08724 , G06Q 10/08726 and G06Q 10/08728 are incomplete pending reclassification of documents from group G06Q 10/087 .	10/105	. . Human resources
	All groups listed in this Warning should be considered in order to perform a complete search.	10/1053	. . . Employment or hiring
		10/1057	. . . Benefits or employee welfare, e.g. insurance, holiday or retirement packages
10/08724	. . . . {by shelf level inventory management, e.g. planograms}	10/107	. . Computer-aided management of electronic mailing [e-mailing]
10/08726	. . . . {for replenishment processing, procedures, or recommendations using forecasting or optimisation}	10/109	. . Time management, e.g. calendars, reminders, meetings or time accounting
10/08728	. . . . {of returned inventory}	10/1091	. . . Recording time for administrative or management purposes
		10/1093	. . . Calendar-based scheduling for persons or groups
		10/1097	. . . {using calendar-based scheduling for task assignment}
		10/20	. Administration of product repair or maintenance
		10/30	. Administration of product recycling or disposal

10/40	<ul style="list-style-type: none"> • Business processes related to social networking or social networking services <p>WARNING</p> <p>Group G06Q 10/40 is impacted by reclassification into groups G06Q 10/42, G06Q 10/44, G06Q 10/46 and G06Q 10/48. All groups listed in this Warning should be considered in order to perform a complete search.</p>	20/0457	<ul style="list-style-type: none"> • • • {the tickets being sent electronically}
		20/047	<ul style="list-style-type: none"> • • {using payment protocols involving electronic receipts}
		20/06	<ul style="list-style-type: none"> • • Private payment circuits, e.g. involving electronic currency used among participants of a common payment scheme
		20/065	<ul style="list-style-type: none"> • • • {using e-cash}
		20/0652	<ul style="list-style-type: none"> • • • • {e-cash with decreasing value according to a parameter, e.g. time}
		20/0655	<ul style="list-style-type: none"> • • • • {e-cash managed centrally}
10/42	<ul style="list-style-type: none"> • • Determination of affinities or common interests between users <p>WARNING</p> <p>Group G06Q 10/42 is incomplete pending reclassification of documents from group G06Q 10/40. Groups G06Q 10/40 and G06Q 10/42 should be considered in order to perform a complete search.</p>	20/0658	<ul style="list-style-type: none"> • • • • {e-cash managed locally}
		20/08	<ul style="list-style-type: none"> • Payment architectures
		20/085	<ul style="list-style-type: none"> • • {involving remote charge determination or related payment systems}
		20/0855	<ul style="list-style-type: none"> • • • {involving a third party}
		20/10	<ul style="list-style-type: none"> • • specially adapted for electronic funds transfer [EFT] systems; specially adapted for home banking systems
		20/102	<ul style="list-style-type: none"> • • • {Bill distribution or payments}
		20/105	<ul style="list-style-type: none"> • • • {involving programming of a portable memory device, e.g. IC cards, "electronic purses"}
10/44	<ul style="list-style-type: none"> • • Identification of trends within social networks, e.g. identification of trending topics <p>WARNING</p> <p>Group G06Q 10/44 is incomplete pending reclassification of documents from group G06Q 10/40. Groups G06Q 10/40 and G06Q 10/44 should be considered in order to perform a complete search.</p>	20/108	<ul style="list-style-type: none"> • • • {Remote banking, e.g. home banking}
		20/1085	<ul style="list-style-type: none"> • • • • {involving automatic teller machines [ATMs]}
		20/12	<ul style="list-style-type: none"> • • specially adapted for electronic shopping systems
		20/123	<ul style="list-style-type: none"> • • • {Shopping for digital content}
		20/1235	<ul style="list-style-type: none"> • • • • {with control of digital rights management [DRM]}
		20/127	<ul style="list-style-type: none"> • • • {Shopping or accessing services according to a time-limitation}
10/46	<ul style="list-style-type: none"> • • Determination of level of influence of users within social networking services <p>WARNING</p> <p>Group G06Q 10/46 is incomplete pending reclassification of documents from group G06Q 10/40. Groups G06Q 10/40 and G06Q 10/46 should be considered in order to perform a complete search.</p>	20/14	<ul style="list-style-type: none"> • • specially adapted for billing systems
		20/145	<ul style="list-style-type: none"> • • • {Payments according to the detected use or quantity}
		20/16	<ul style="list-style-type: none"> • • Payments settled via telecommunication systems
		20/18	<ul style="list-style-type: none"> • • involving self-service terminals [SST], vending machines, kiosks or multimedia terminals
		20/20	<ul style="list-style-type: none"> • • Point-of-sale [POS] network systems
		20/201	<ul style="list-style-type: none"> • • • {Price look-up processing, e.g. updating}
		20/202	<ul style="list-style-type: none"> • • • {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}
10/48	<ul style="list-style-type: none"> • • using social graphs <p>WARNING</p> <p>Group G06Q 10/48 is incomplete pending reclassification of documents from group G06Q 10/40. Groups G06Q 10/40 and G06Q 10/48 should be considered in order to perform a complete search.</p>		<p>NOTE</p> <p>{Features of the apparatus <i>per se</i> should be classified in G07G 1/14.}</p>
20/00	<p>Payment architectures, schemes or protocols (apparatus for performing or posting payment transactions G07F 7/08, G07F 19/00; electronic cash registers G07G 1/12)</p>		
20/02	<ul style="list-style-type: none"> • involving a neutral party, e.g. certification authority, notary or trusted third party [TTP] 	20/203	<ul style="list-style-type: none"> • • • {Inventory monitoring}
20/023	<ul style="list-style-type: none"> • • {the neutral party being a clearing house} 	20/204	<ul style="list-style-type: none"> • • • {comprising interface for record bearing medium or carrier for electronic funds transfer or payment credit}
20/027	<ul style="list-style-type: none"> • • {involving a payment switch or gateway} 	20/206	<ul style="list-style-type: none"> • • • {comprising security or operator identification provisions, e.g. password entry}
20/04	<ul style="list-style-type: none"> • Payment circuits 	20/207	<ul style="list-style-type: none"> • • • {Tax processing}
20/042	<ul style="list-style-type: none"> • • {characterized in that the payment protocol involves at least one cheque} 	20/208	<ul style="list-style-type: none"> • • • {Input by product or record sensing, e.g. weighing or scanner processing}
20/0425	<ul style="list-style-type: none"> • • • {the cheque being electronic only} 	20/209	<ul style="list-style-type: none"> • • • {Specified transaction journal output feature, e.g. printed receipt or voice output}
20/045	<ul style="list-style-type: none"> • • {using payment protocols involving tickets} 	20/22	<ul style="list-style-type: none"> • Payment schemes or models
		20/223	<ul style="list-style-type: none"> • • {based on the use of peer-to-peer networks}
		20/227	<ul style="list-style-type: none"> • • {characterised in that multiple accounts are available, e.g. to the payer}
		20/229	<ul style="list-style-type: none"> • • {Hierarchy of users of accounts}

- 20/2295 . . . {Parent-child type, e.g. where parent has control on child rights}
- 20/24 . . Credit schemes, i.e. "pay after"
- 20/26 . . Debit schemes, e.g. "pay now"
- 20/28 . . Pre-payment schemes, e.g. "pay before"
- 20/29 . . {characterised by micropayments}
- 20/30 . characterised by the use of specific devices {or networks}
 - 20/305 . . {using wired telephone networks}
 - 20/306 . . {using TV related infrastructures (external card used for payment with client device [H04N 21/4185](#))}
 - 20/308 . . {using the Internet of Things}
 - 20/32 . . using wireless devices
 - 20/321 . . . {using wearable devices}
 - 20/322 . . . {Aspects of commerce using mobile devices [M-devices]}
 - 20/3221 {Access to banking information through M-devices}
 - 20/3223 {Realising banking transactions through M-devices}
 - 20/3224 {Transactions dependent on location of M-devices}
 - 20/3226 {Use of secure elements separate from M-devices}
 - 20/3227 {using secure elements embedded in M-devices}
 - 20/3229 {Use of the SIM of a M-device as secure element}
 - 20/325 . . . {using wireless networks}
 - 20/3255 {using mobile network messaging services for payment, e.g. SMS}
 - 20/326 . . . {Payment applications installed on the mobile devices}
 - 20/3263 {characterised by activation or deactivation of payment capabilities}
 - 20/3265 {characterised by personalisation for use}
 - 20/3267 {In-app payments}
 - 20/327 . . . {Short range or proximity payments by means of M-devices}
 - 20/3272 {using an audio code}
 - 20/3274 {using a pictured code, e.g. barcode or QR-code, being displayed on the M-device}
 - 20/3276 {using a pictured code, e.g. barcode or QR-code, being read by the M-device}
 - 20/3278 {RFID or NFC payments by means of M-devices}
 - 20/34 . . using cards, e.g. integrated circuit [IC] cards or magnetic cards
 - 20/341 . . . {Active cards, i.e. cards including their own processing means, e.g. including an IC or chip}
 - 20/3415 {Cards acting autonomously as pay-media}
 - 20/342 . . . {Cards defining paid or billed services or quantities}
 - 20/343 . . . {Cards including a counter}
 - 20/3433 {the counter having monetary units}
 - 20/3437 {the counter having non-monetary units, e.g. trips}
 - 20/346 . . . {Cards serving only as information carrier of service}
 - 20/347 . . . {Passive cards}
 - 20/348 . . . {Single-use cards, i.e. without possibility of recharging}
 - 20/349 . . . {Rechargeable cards}
 - 20/351 . . . {Virtual cards}
 - 20/352 . . . {Contactless payments by cards}
 - 20/353 . . . {Payments by cards read by M-devices}
 - 20/354 . . . {Card activation or deactivation}
 - 20/355 . . . {Personalisation of cards for use}
 - 20/3552 {Downloading or loading of personalisation data}
 - 20/3555 {Personalisation of two or more cards}
 - 20/3558 {Preliminary personalisation for transfer to user}
 - 20/356 . . . {Aspects of software for card payments}
 - 20/3563 {Software being resident on card}
 - 20/3567 {Software being in the reader}
 - 20/357 . . . {Cards having a plurality of specified features}
 - 20/3572 {Multiple accounts on card}
 - 20/3574 {Multiple applications on card}
 - 20/3576 {Multiple memory zones on card}
 - 20/35765 {Access rights to memory zones}
 - 20/36 . . using electronic wallets or electronic money safes
 - 20/363 . . . {with the personal data of a user}
 - 20/367 . . . {involving electronic purses or money safes}
 - 20/3672 {initialising or reloading thereof}
 - 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}
- WARNING**
- Group [G06Q 20/401](#) is incomplete pending reclassification of documents from group [G06Q 30/0609](#).
- Groups [G06Q 30/0609](#) and [G06Q 20/401](#) should be considered in order to perform a complete search.
- 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
- 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
- 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

WARNING

Group [G06Q 30/0201](#) is impacted by reclassification into groups [G06Q 30/02011](#), [G06Q 30/020112](#), [G06Q 30/02012](#), [G06Q 30/020121](#), [G06Q 30/020122](#), [G06Q 30/02013](#), [G06Q 30/02014](#), [G06Q 30/020141](#), [G06Q 30/02015](#), [G06Q 30/02016](#), [G06Q 30/02017](#) and [G06Q 30/02018](#).

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

- 30/02011 {Profiling or inferring profiles of users or market based on their behaviour}

WARNING

Groups [G06Q 30/02011](#) and [G06Q 30/020112](#) are incomplete pending reclassification of documents from group [G06Q 30/0201](#).

Groups [G06Q 30/0201](#), [G06Q 30/02011](#) and [G06Q 30/020112](#) should be considered in order to perform a complete search.

- 30/020112 {Analysing events leading to purchases, e.g. "purchase journey" or attribution}

- 30/02012 . . . {Customer valuation}

WARNING

Groups [G06Q 30/02012](#), [G06Q 30/020121](#) and [G06Q 30/020122](#) are incomplete pending reclassification of documents from group [G06Q 30/0201](#).

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

- 30/020121 {Sales lead analysis}

- 30/020122 {Customer attrition, renewal, or retention analysis, e.g. churn}

- 30/02013 . . . {Brand analysis}

WARNING

Group [G06Q 30/02013](#) is incomplete pending reclassification of documents from group [G06Q 30/0201](#).

Groups [G06Q 30/0201](#) and [G06Q 30/02013](#) should be considered in order to perform a complete search.

- 30/02014 {Product or service effects analysis, e.g. item cannibalisation}

WARNING

Groups [G06Q 30/02014](#), [G06Q 30/020141](#) and [G06Q 30/02015](#) are incomplete pending reclassification of documents from group [G06Q 30/0201](#).

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

- 30/020141 {Competitive analysis}

- 30/02015 {Benchmarking or competitor scoring}

- 30/02016 {Product or service lifecycle models or analysis, e.g. growth (product repair or maintenance administration [G06Q 10/20](#))}

WARNING

Group [G06Q 30/02016](#) is incomplete pending reclassification of documents from group [G06Q 30/0201](#).

Groups [G06Q 30/0201](#) and [G06Q 30/02016](#) should be considered in order to perform a complete search.

<p>30/02017 . . . {Market opportunity analysis, e.g. gap analysis}</p> <p>WARNING</p> <p>Group G06Q 30/02017 is incomplete pending reclassification of documents from group G06Q 30/0201.</p> <p>Groups G06Q 30/0201 and G06Q 30/02017 should be considered in order to perform a complete search.</p>	<p>30/0204 . . . Market segmentation</p> <p>WARNING</p> <p>Group G06Q 30/0204 is impacted by reclassification into group G06Q 30/02043.</p> <p>Groups G06Q 30/0204 and G06Q 30/02043 should be considered in order to perform a complete search.</p>
<p>30/02018 . . . {Market share analysis}</p> <p>WARNING</p> <p>Group G06Q 30/02018 is incomplete pending reclassification of documents from group G06Q 30/0201.</p> <p>Groups G06Q 30/0201 and G06Q 30/02018 should be considered in order to perform a complete search.</p>	<p>30/02043 {based on spending or purchase history}</p> <p>WARNING</p> <p>Group G06Q 30/02043 is incomplete pending reclassification of documents from group G06Q 30/0204.</p> <p>Groups G06Q 30/0204 and G06Q 30/02043 should be considered in order to perform a complete search.</p>
<p>30/0202 . . . Market predictions or forecasting for commercial activities</p> <p>WARNING</p> <p>Group G06Q 30/0202 is impacted by reclassification into groups G06Q 30/02022, G06Q 30/02023 and G06Q 30/02024.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>	<p>30/0205 {based on location or geographical consideration}</p> <p>30/0206 . . . {Price or cost determination based on market factors}</p> <p>30/0207 . . Discounts or incentives, e.g. coupons or rebates</p> <p>30/0208 . . . Trade or exchange of goods or services in exchange for incentives or rewards</p> <p>30/0209 . . . {Incentive being awarded or redeemed in connection with the playing of a video game}</p> <p>30/0211 . . . Determining the effectiveness of discounts or incentives</p> <p>30/0212 . . . {Chance discounts or incentives}</p> <p>30/0213 . . . {Consumer transaction fees}</p> <p>30/0214 . . . Referral reward systems</p> <p>30/0215 . . . {Including financial accounts}</p> <p>30/0216 {Investment accounts}</p> <p>30/0217 . . . involving input on products or services in exchange for incentives or rewards</p> <p>30/0218 {based on score}</p> <p>30/0219 . . . {based on funds or budget}</p> <p>30/0221 . . . {Re-usable coupons}</p> <p>30/0222 . . . {During e-commerce, i.e. online transactions}</p> <p>30/0223 . . . {based on inventory}</p> <p>30/0224 . . . {based on user history}</p> <p>30/0225 . . . {Avoiding frauds}</p> <p>30/0226 . . . Incentive systems for frequent usage, e.g. frequent flyer miles programs or point systems</p> <p>30/0227 {Frequent usage incentive value reconciliation between diverse systems}</p> <p>30/0228 {On-line clearing houses}</p> <p>30/0229 {Multi-merchant loyalty card systems}</p> <p>30/0231 {Awarding of a frequent usage incentive independent of the monetary value of a good or service purchased, or distance travelled}</p> <p>30/0232 {Frequent usage rewards other than merchandise, cash or travel}</p> <p>30/0233 {Method of redeeming a frequent usage reward}</p> <p>30/0234 . . . Rebates after completed purchase</p> <p>30/0235 . . . constrained by time limit or expiration date</p> <p>30/0236 . . . {Incentive or reward received by requiring registration or ID from user}</p> <p>30/0237 . . . {at kiosk}</p> <p>30/0238 . . . at point-of-sale [POS]</p> <p>30/0239 . . . {Online discounts or incentives}</p>
<p>30/02022 {based on correlations between customers, products, or services}</p> <p>WARNING</p> <p>Group G06Q 30/02022 is incomplete pending reclassification of documents from group G06Q 30/0202.</p> <p>Groups G06Q 30/0202 and G06Q 30/02022 should be considered in order to perform a complete search.</p>	
<p>30/02023 {based on movement or presence behaviour at a physical establishment, e.g. customer movement}</p> <p>WARNING</p> <p>Group G06Q 30/02023 is incomplete pending reclassification of documents from group G06Q 30/0202.</p> <p>Groups G06Q 30/0202 and G06Q 30/02023 should be considered in order to perform a complete search.</p>	
<p>30/02024 {based on temporal or time series analysis, e.g. seasonality or cyclical}</p> <p>WARNING</p> <p>Group G06Q 30/02024 is incomplete pending reclassification of documents from group G06Q 30/0202.</p> <p>Groups G06Q 30/0202 and G06Q 30/02024 should be considered in order to perform a complete search.</p>	
<p>30/0203 . . . Market surveys; Market polls</p>	

- 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 creation or management}

WARNING

Group [G06Q 30/0603](#) is impacted by reclassification into groups [G06Q 30/06031](#) and [G06Q 30/06032](#).

Groups [G06Q 30/0603](#), [G06Q 30/06031](#) and [G06Q 30/06032](#) should be considered in order to perform a complete search.

- 30/06031 {Aggregating catalogue data from multiple providers}

WARNING

Group [G06Q 30/06031](#) is incomplete pending reclassification of documents from group [G06Q 30/0603](#).

Groups [G06Q 30/0603](#) and [G06Q 30/06031](#) should be considered in order to perform a complete search.

- 30/06032 {Customer-specific catalogues}

WARNING

Group [G06Q 30/06032](#) is incomplete pending reclassification of documents from group [G06Q 30/0603](#).

Groups [G06Q 30/0603](#) and [G06Q 30/06032](#) should be considered in order to perform a complete search.

- 30/0605 . . . {Pooling transaction partners, e.g. group buying or group selling}

- 30/0607 . . . {Regulating the sale of restricted items, e.g. alcohol}

- 30/0609 . . . {Qualifying participants for shopping transactions (payment transaction verification [G06Q 20/401](#))}

WARNING

Group [G06Q 30/0609](#) is impacted by reclassification into group [G06Q 20/401](#).

Groups [G06Q 30/0609](#) and [G06Q 20/401](#) should be considered in order to perform a complete search.

- 30/0611 . . . {Request for offers or quotes}

- 30/0613 . . . {using intermediate agents}

WARNING

Group [G06Q 30/0613](#) is incomplete pending reclassification of documents from group [G06Q 30/0615](#).

Groups [G06Q 30/0615](#) and [G06Q 30/0613](#) should be considered in order to perform a complete search.

G06Q

30/0615 {Anonymizing}
(Frozen)
WARNING
Group [G06Q 30/0615](#) is no longer used for the classification of documents as of August 1, 2025. The content of this group is being reclassified into groups [G06F 21/6254](#) and [G06Q 30/0613](#).
Groups [G06Q 30/0615](#), [G06F 21/6254](#) and [G06Q 30/0613](#) should be considered in order to perform a complete search.

30/0617 {Representative agent}
30/0619 {Neutral agent}
30/0621 . . . {by configuring or customising goods or services}
WARNING
Group [G06Q 30/0621](#) is impacted by reclassification into groups [G06Q 30/06211](#) and [G06Q 30/06212](#).
Groups [G06Q 30/0621](#), [G06Q 30/06211](#) and [G06Q 30/06212](#) should be considered in order to perform a complete search.

30/06211 {using personal content of shoppers, e.g. personal photographs}
WARNING
Group [G06Q 30/06211](#) is incomplete pending reclassification of documents from group [G06Q 30/0621](#).
Groups [G06Q 30/0621](#) and [G06Q 30/06211](#) should be considered in order to perform a complete search.

30/06212 {using seller-selected customisations}
WARNING
Group [G06Q 30/06212](#) is incomplete pending reclassification of documents from group [G06Q 30/0621](#).
Groups [G06Q 30/0621](#) and [G06Q 30/06212](#) should be considered in order to perform a complete search.

30/0623 . . . {by investigating goods or services}
WARNING
Group [G06Q 30/0623](#) is impacted by reclassification into group [G06Q 30/0624](#).
Groups [G06Q 30/0623](#) and [G06Q 30/0624](#) should be considered in order to perform a complete search.

30/0624 {using guided investigation, e.g. hierarchical browsing of shopping information}
WARNING
Group [G06Q 30/0624](#) is incomplete pending reclassification of documents from group [G06Q 30/0623](#).
Groups [G06Q 30/0623](#) and [G06Q 30/0624](#) should be considered in order to perform a complete search.

30/0625 {by formulating product or service queries, e.g. using keywords or predefined options}
WARNING
Group [G06Q 30/0625](#) is impacted by reclassification into group [G06Q 30/0629](#).
Groups [G06Q 30/0625](#) and [G06Q 30/0629](#) should be considered in order to perform a complete search.

30/0627 {by specifying product or service characteristics, e.g. product dimensions}
WARNING
Group [G06Q 30/0627](#) is impacted by reclassification into group [G06Q 30/0629](#).
Groups [G06Q 30/0627](#) and [G06Q 30/0629](#) should be considered in order to perform a complete search.

30/0629 {by pre-processing results, e.g. ranking or ordering results}
WARNING
Group [G06Q 30/0629](#) is incomplete pending reclassification of documents from groups [G06Q 30/0625](#) and [G06Q 30/0627](#). Group [G06Q 30/0629](#) is also impacted by reclassification into group [G06Q 30/06291](#).
All groups listed in this Warning should be considered in order to perform a complete search.

30/06291 {for generating comparative results}
WARNING
Group [G06Q 30/06291](#) is incomplete pending reclassification of documents from group [G06Q 30/0629](#).
Groups [G06Q 30/0629](#) and [G06Q 30/06291](#) should be considered in order to perform a complete search.

30/0631 . . . {Recommending goods or services}
WARNING
Group [G06Q 30/0631](#) is impacted by reclassification into groups [G06Q 30/06311](#), [G06Q 30/06312](#), [G06Q 30/06313](#), [G06Q 30/06314](#) and [G06Q 30/06315](#).
All groups listed in this Warning should be considered in order to perform a complete search.

30/06311 {based on purchase or browsing history}
WARNING
Group [G06Q 30/06311](#) is incomplete pending reclassification of documents from group [G06Q 30/0631](#).
Groups [G06Q 30/0631](#) and [G06Q 30/06311](#) should be considered in order to perform a complete search.

30/06312 {based on similarity with other shoppers}

WARNING

Group [G06Q 30/06312](#) is incomplete pending reclassification of documents from group [G06Q 30/0631](#).

Groups [G06Q 30/0631](#) and [G06Q 30/06312](#) should be considered in order to perform a complete search.

30/06313 {based on similarity of goods or services, e.g. substitute or alternate goods or services}

WARNING

Group [G06Q 30/06313](#) is incomplete pending reclassification of documents from group [G06Q 30/0631](#).

Groups [G06Q 30/0631](#) and [G06Q 30/06313](#) should be considered in order to perform a complete search.

30/06314 {by determining complementary or compatible goods or services, e.g. accessory goods}

WARNING

Group [G06Q 30/06314](#) is incomplete pending reclassification of documents from group [G06Q 30/0631](#).

Groups [G06Q 30/0631](#) and [G06Q 30/06314](#) should be considered in order to perform a complete search.

30/06315 {gift recommendations, e.g. for a specific gift recipient}

WARNING

Group [G06Q 30/06315](#) is incomplete pending reclassification of documents from group [G06Q 30/0631](#).

Groups [G06Q 30/0631](#) and [G06Q 30/06315](#) should be considered in order to perform a complete search.

30/0633 {Managing shopping lists, e.g. compiling or processing purchase lists (shipping orders [G06Q 10/083](#); order filling [G06Q 10/087](#))}

WARNING

Group [G06Q 30/0633](#) is incomplete pending reclassification of documents from group [G06Q 30/0635](#). Group [G06Q 30/0633](#) is also impacted by reclassification into groups [G06Q 30/06331](#), [G06Q 30/06332](#), [G06Q 30/06333](#), [G06Q 30/06334](#), [G06Q 30/0635](#), [G06Q 30/0637](#), [G06Q 10/083](#) and [G06Q 10/087](#).

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

30/06331 {wish lists; gift lists; product registries, e.g. wedding registries}

WARNING

Groups [G06Q 30/06331](#) and [G06Q 30/06332](#) are incomplete pending reclassification of documents from groups [G06Q 30/0633](#) and [G06Q 30/0635](#).

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

30/06332 {comprising goods or services offered by multiple providers, e.g. multiple merchants}

30/06333 {virtual shopping carts}

WARNING

Groups [G06Q 30/06333](#) and [G06Q 30/06334](#) are incomplete pending reclassification of documents from groups [G06Q 30/0633](#) and [G06Q 30/0635](#).

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

30/06334 {comprising goods or services offered by multiple providers, e.g. multiple merchants}

30/0635 {replenishment orders; recurring orders}

WARNING

Group [G06Q 30/0635](#) is incomplete pending reclassification of documents from group [G06Q 30/0633](#). Group [G06Q 30/0635](#) is also impacted by reclassification into groups [G06Q 30/0633](#), [G06Q 30/06331](#), [G06Q 30/06332](#), [G06Q 30/06333](#), [G06Q 30/06334](#), [G06Q 30/0637](#), [G06Q 10/083](#) and [G06Q 10/087](#).

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

30/0637 {requiring approval before final submission, e.g. parental approval}

WARNING

Group [G06Q 30/0637](#) is incomplete pending reclassification of documents from groups [G06Q 30/0633](#) and [G06Q 30/0635](#).

Groups [G06Q 30/0633](#), [G06Q 30/0635](#) and [G06Q 30/0637](#) should be considered in order to perform a complete search.

30/0639 {Locating goods or services, e.g. based on physical position of the goods or services within a shopping facility}

30/0641 . . . {utilising user interfaces specially adapted for shopping}

WARNING

Group [G06Q 30/0641](#) is impacted by reclassification into groups [G06Q 30/0643](#), [G06Q 30/06431](#), [G06Q 30/06432](#), [G06Q 30/06433](#), [G06Q 30/06434](#), [G06Q 30/06435](#), [G06Q 30/0644](#), [G06Q 30/06442](#) and [G06Q 30/06444](#).

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

30/0643 {graphically representing goods, e.g. 3D product representation}

WARNING

Group [G06Q 30/0643](#) is incomplete pending reclassification of documents from group [G06Q 30/0641](#). Group [G06Q 30/0643](#) is also impacted by reclassification into groups [G06Q 30/06431](#), [G06Q 30/06432](#), [G06Q 30/06433](#), [G06Q 30/06434](#), [G06Q 30/06435](#), [G06Q 30/0644](#), [G06Q 30/06442](#), [G06Q 30/06443](#) and [G06Q 30/06444](#).

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

30/06431 {relative to a shopper model}

WARNING

Groups [G06Q 30/06431](#) and [G06Q 30/06432](#) are incomplete pending reclassification of documents from groups [G06Q 30/0641](#) and [G06Q 30/0643](#).

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

30/06432 {by virtually fitting wearable articles}

30/06433 {relative to real-world environments}

WARNING

Group [G06Q 30/06433](#) is incomplete pending reclassification of documents from groups [G06Q 30/0641](#) and [G06Q 30/0643](#).

Groups [G06Q 30/0641](#), [G06Q 30/0643](#) and [G06Q 30/06433](#) should be considered in order to perform a complete search.

30/06434 {by previewing changes to the physical appearance of goods, e.g. altering colour}

WARNING

Group [G06Q 30/06434](#) is incomplete pending reclassification of documents from groups [G06Q 30/0641](#) and [G06Q 30/0643](#).

Groups [G06Q 30/0641](#), [G06Q 30/0643](#) and [G06Q 30/06434](#) should be considered in order to perform a complete search.

30/06435 {by generating side-by-side comparisons of goods or services}

WARNING

Group [G06Q 30/06435](#) is incomplete pending reclassification of documents from groups [G06Q 30/0641](#) and [G06Q 30/0643](#).

Groups [G06Q 30/0641](#), [G06Q 30/0643](#) and [G06Q 30/06435](#) should be considered in order to perform a complete search.

30/0644 {by graphically simulating physical shopping environments, e.g. virtual malls}

WARNING

Groups [G06Q 30/0644](#) and [G06Q 30/06442](#) are incomplete pending reclassification of documents from groups [G06Q 30/0641](#) and [G06Q 30/0643](#).

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

30/06442 {by representing shoppers within virtual shopping environments, e.g. using shopper avatars}

30/06443 {by displaying shopping information with special effects, e.g. highlighting items in view}

WARNING

Group [G06Q 30/06443](#) is incomplete pending reclassification of documents from group [G06Q 30/0643](#).

Groups [G06Q 30/0643](#) and [G06Q 30/06443](#) should be considered in order to perform a complete search.

30/06444 {for multi-user collaboration}

WARNING

Group [G06Q 30/06444](#) is incomplete pending reclassification of documents from groups [G06Q 30/0641](#) and [G06Q 30/0643](#).

Groups [G06Q 30/0641](#), [G06Q 30/0643](#) and [G06Q 30/06444](#) should be considered in order to perform a complete search.

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](#))
- WARNING**
- Group [G06Q 40/02](#) is impacted by reclassification into groups [G06Q 40/022](#), [G06Q 40/0221](#), [G06Q 40/0222](#), [G06Q 40/0223](#), [G06Q 40/0225](#), [G06Q 40/023](#), [G06Q 40/024](#), [G06Q 40/026](#), [G06Q 40/028](#), [G06Q 40/029](#), [G06Q 40/04](#), [G06Q 40/042](#), [G06Q 40/043](#), [G06Q 40/044](#) and [G06Q 40/045](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 40/022 . . {Management of bank accounts, e.g. opening or closing of bank accounts, new customer bank accounts}
- WARNING**
- Groups [G06Q 40/022](#), [G06Q 40/0221](#), [G06Q 40/0222](#), [G06Q 40/0223](#) and [G06Q 40/0225](#) are incomplete pending reclassification of documents from group [G06Q 40/02](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 40/0221 . . . {Intra-bank account relationships, e.g. sub-accounts, linked or joint accounts}
- 40/0222 . . . {Monitoring, detecting or alert notifications of bank account events}
- 40/0223 . . . {For planning or pre-staging a bank account transaction}
- 40/0225 . . . {Bank transfers not related to payment transactions}
- 40/023 . . {specially adapted for online banking}
- WARNING**
- Group [G06Q 40/023](#) is incomplete pending reclassification of documents from group [G06Q 40/02](#).
- Groups [G06Q 40/02](#) and [G06Q 40/023](#) should be considered in order to perform a complete search.
- 40/024 . . {Anti-fraud, anti-money laundering or know-your-customer}
- WARNING**
- Group [G06Q 40/024](#) is incomplete pending reclassification of documents from group [G06Q 40/02](#).
- Groups [G06Q 40/02](#) and [G06Q 40/024](#) should be considered in order to perform a complete search.
- 40/026 . . {Banking interfaces}
- WARNING**
- Group [G06Q 40/026](#) is incomplete pending reclassification of documents from group [G06Q 40/02](#).
- Groups [G06Q 40/02](#) and [G06Q 40/026](#) should be considered in order to perform a complete search.
- 40/028 . . {Processing paper cheques}
- WARNING**
- Group [G06Q 40/028](#) is incomplete pending reclassification of documents from group [G06Q 40/02](#).
- Groups [G06Q 40/02](#) and [G06Q 40/028](#) should be considered in order to perform a complete search.
- 40/029 . . {Banking at kiosks, computers, point of sale [POS] terminals or automated teller machines [ATM]}
- WARNING**
- Group [G06Q 40/029](#) is incomplete pending reclassification of documents from group [G06Q 40/02](#).
- Groups [G06Q 40/02](#) and [G06Q 40/029](#) should be considered in order to perform a complete search.
- 40/03 . Credit; Loans; Processing thereof
- WARNING**
- Group [G06Q 40/03](#) is impacted by reclassification into groups [G06Q 40/0305](#), [G06Q 40/03055](#), [G06Q 40/031](#), [G06Q 40/032](#), [G06Q 40/0325](#), [G06Q 40/03251](#), [G06Q 40/033](#), [G06Q 40/034](#), [G06Q 40/035](#), [G06Q 40/036](#), [G06Q 40/037](#), [G06Q 40/038](#) and [G06Q 40/039](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 40/0305 . . {Platforms for credit or lending product research, comparison or matching}
- WARNING**
- Groups [G06Q 40/0305](#) and [G06Q 40/03055](#) are incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#), [G06Q 40/0305](#) and [G06Q 40/03055](#) should be considered in order to perform a complete search.
- 40/03055 . . . {using artificial intelligence, machine learning or neural networks}

- 40/031 . . {Credit restrictions on particular classes of purchases or children accounts}
- WARNING**
- Group [G06Q 40/031](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/031](#) should be considered in order to perform a complete search.
- 40/032 . . {Account notification, monitoring, detecting, or reporting therefor}
- WARNING**
- Groups [G06Q 40/032](#), [G06Q 40/0325](#) and [G06Q 40/03251](#) are incomplete pending reclassification of documents from group [G06Q 40/03](#).
- All groups listed in this Warning should be considered in order to perform a complete search.
- 40/0325 . . . {specially adapted for detecting or preventing credit or loan fraud}
- 40/03251 {using artificial intelligence, machine learning or neural networks}
- 40/033 . . {Analysing or forecasting financial condition of borrowers}
- WARNING**
- Group [G06Q 40/033](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/033](#) should be considered in order to perform a complete search.
- 40/034 . . {Loan servicing}
- WARNING**
- Group [G06Q 40/034](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/034](#) should be considered in order to perform a complete search.
- 40/035 . . {using financial equations or formulas}
- WARNING**
- Group [G06Q 40/035](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/035](#) should be considered in order to perform a complete search.
- 40/036 . . {Mortgages}
- WARNING**
- Group [G06Q 40/036](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/036](#) should be considered in order to perform a complete search.
- 40/037 . . {Revolving line of credit}
- WARNING**
- Group [G06Q 40/037](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/037](#) should be considered in order to perform a complete search.
- 40/038 . . {Car or vehicle loans}
- WARNING**
- Group [G06Q 40/038](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/038](#) should be considered in order to perform a complete search.
- 40/039 . . {Personal or business loans}
- WARNING**
- Group [G06Q 40/039](#) is incomplete pending reclassification of documents from group [G06Q 40/03](#).
- Groups [G06Q 40/03](#) and [G06Q 40/039](#) should be considered in order to perform a complete search.
- 40/04 . . Trading; Exchange, e.g. stocks, commodities, derivatives or currency exchange
- WARNING**
- Group [G06Q 40/04](#) is incomplete pending reclassification of documents from group [G06Q 40/02](#).
- Group [G06Q 40/04](#) is also impacted by reclassification into groups [G06Q 40/042](#), [G06Q 40/0421](#), [G06Q 40/043](#), [G06Q 40/0431](#), [G06Q 40/0432](#), [G06Q 40/044](#), [G06Q 40/045](#), [G06Q 40/0451](#), [G06Q 40/046](#), [G06Q 40/047](#), [G06Q 40/048](#), [G06Q 40/049](#), [G06Q 40/05](#), [G06Q 40/051](#), [G06Q 40/052](#), [G06Q 40/0525](#), [G06Q 40/053](#), [G06Q 40/054](#), [G06Q 40/0545](#) and [G06Q 40/055](#).
- All groups listed in this Warning should be considered in order to perform a complete search.

- 40/042 . . {using financial market analysis, e.g. trading predictions, or forecasting}
- WARNING**
- Group [G06Q 40/042](#) is incomplete pending reclassification of documents from groups [G06Q 40/02](#) and [G06Q 40/04](#).
- Groups [G06Q 40/02](#), [G06Q 40/04](#) and [G06Q 40/042](#) should be considered in order to perform a complete search.
- 40/0421 . . . {using artificial intelligence, machine learning or neural networks}
- WARNING**
- Group [G06Q 40/0421](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/0421](#) should be considered in order to perform a complete search.
- 40/043 . . {Tools or interfaces specially adapted for trading or brokering}
- WARNING**
- Group [G06Q 40/043](#) is incomplete pending reclassification of documents from groups [G06Q 40/02](#) and [G06Q 40/04](#).
- Groups [G06Q 40/02](#), [G06Q 40/04](#) and [G06Q 40/043](#) should be considered in order to perform a complete search.
- 40/0431 . . . {Displaying financial market data}
- WARNING**
- Group [G06Q 40/0431](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/0431](#) should be considered in order to perform a complete search.
- 40/0432 . . . {using pricing grids or ladders}
- WARNING**
- Group [G06Q 40/0432](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/0432](#) should be considered in order to perform a complete search.
- 40/044 . . {using tick sizes or order constraints}
- WARNING**
- Group [G06Q 40/044](#) is incomplete pending reclassification of documents from groups [G06Q 40/02](#) and [G06Q 40/04](#).
- Groups [G06Q 40/02](#), [G06Q 40/04](#) and [G06Q 40/044](#) should be considered in order to perform a complete search.
- 40/045 . . {Accepting or processing orders in an exchange}
- WARNING**
- Group [G06Q 40/045](#) is incomplete pending reclassification of documents from groups [G06Q 40/02](#) and [G06Q 40/04](#).
- Groups [G06Q 40/02](#), [G06Q 40/04](#) and [G06Q 40/045](#) should be considered in order to perform a complete search.
- 40/0451 . . . {Prioritising, queuing or matching trade orders in an exchange}
- WARNING**
- Group [G06Q 40/0451](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/0451](#) should be considered in order to perform a complete search.
- 40/046 . . {Trading across multiple trading exchanges or platforms}
- WARNING**
- Group [G06Q 40/046](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/046](#) should be considered in order to perform a complete search.
- 40/047 . . {including trading crash mitigation or circuit breakers}
- WARNING**
- Group [G06Q 40/047](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/047](#) should be considered in order to perform a complete search.
- 40/048 . . {Trading margin, collateral, or credit worthiness of trading partners}
- WARNING**
- Group [G06Q 40/048](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/048](#) should be considered in order to perform a complete search.
- 40/049 . . {Trading or exchanging carbon credits or renewable energy certificates}
- WARNING**
- Group [G06Q 40/049](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
- Groups [G06Q 40/04](#) and [G06Q 40/049](#) should be considered in order to perform a complete search.

- 40/05 . . {Trading or analysing debt instruments}
WARNING
 Group [G06Q 40/05](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
 Groups [G06Q 40/04](#) and [G06Q 40/05](#) should be considered in order to perform a complete search.
- 40/051 . . {Trading or analysing equity instruments}
WARNING
 Group [G06Q 40/051](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
 Groups [G06Q 40/04](#) and [G06Q 40/051](#) should be considered in order to perform a complete search.
- 40/052 . . {Trading or analysing derivatives}
WARNING
 Groups [G06Q 40/052](#) and [G06Q 40/0525](#) are incomplete pending reclassification of documents from group [G06Q 40/04](#).
 Groups [G06Q 40/04](#), [G06Q 40/052](#) and [G06Q 40/0525](#) should be considered in order to perform a complete search.
- 40/0525 . . . {using binary options or trading in prediction markets}
- 40/053 . . {Trading fiat currency}
WARNING
 Group [G06Q 40/053](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
 Groups [G06Q 40/04](#) and [G06Q 40/053](#) should be considered in order to perform a complete search.
- 40/054 . . {Trading investment funds, e.g. mutual funds or hedge funds}
WARNING
 Groups [G06Q 40/054](#) and [G06Q 40/0545](#) are incomplete pending reclassification of documents from group [G06Q 40/04](#).
 Groups [G06Q 40/04](#), [G06Q 40/054](#) and [G06Q 40/0545](#) should be considered in order to perform a complete search.
- 40/0545 . . . {Trading exchange traded funds}
- 40/055 . . {Trading non-fungible tokens [NFT]}
WARNING
 Group [G06Q 40/055](#) is incomplete pending reclassification of documents from group [G06Q 40/04](#).
 Groups [G06Q 40/04](#) and [G06Q 40/055](#) should be considered in order to perform a complete search.
- 40/06 . . Asset management; Financial planning or analysis
WARNING
 Group [G06Q 40/06](#) is impacted by reclassification into groups [G06Q 40/062](#), [G06Q 40/063](#), [G06Q 40/0631](#), [G06Q 40/064](#), [G06Q 40/065](#), [G06Q 40/066](#), [G06Q 40/067](#) and [G06Q 40/068](#).
 All groups listed in this Warning should be considered in order to perform a complete search.
- 40/062 . . {Investment screening, selection or watchlist}
WARNING
 Group [G06Q 40/062](#) is incomplete pending reclassification of documents from group [G06Q 40/06](#).
 Groups [G06Q 40/06](#) and [G06Q 40/062](#) should be considered in order to perform a complete search.
- 40/063 . . {Asset management predictions or forecasting}
WARNING
 Groups [G06Q 40/063](#) and [G06Q 40/0631](#) are incomplete pending reclassification of documents from group [G06Q 40/06](#).
 Groups [G06Q 40/06](#), [G06Q 40/063](#) and [G06Q 40/0631](#) should be considered in order to perform a complete search.
- 40/0631 . . . {Asset management predictions or forecasting using artificial intelligence, machine learning or neural networks}
- 40/064 . . {including visualisation for planning or analysis}
WARNING
 Group [G06Q 40/064](#) is incomplete pending reclassification of documents from group [G06Q 40/06](#).
 Groups [G06Q 40/06](#) and [G06Q 40/064](#) should be considered in order to perform a complete search.
- 40/065 . . {Budgeting}
WARNING
 Group [G06Q 40/065](#) is incomplete pending reclassification of documents from group [G06Q 40/06](#).
 Groups [G06Q 40/06](#) and [G06Q 40/065](#) should be considered in order to perform a complete search.
- 40/066 . . {Retirement planning}
WARNING
 Group [G06Q 40/066](#) is incomplete pending reclassification of documents from group [G06Q 40/06](#).
 Groups [G06Q 40/06](#) and [G06Q 40/066](#) should be considered in order to perform a complete search.

- 40/067 . . {Financial business planning}
 - WARNING**
 - Group [G06Q 40/067](#) is incomplete pending reclassification of documents from group [G06Q 40/06](#).
 - Groups [G06Q 40/06](#) and [G06Q 40/067](#) should be considered in order to perform a complete search.
- 40/068 . . {Investment funding including crowdfunding or crowdlending}
 - WARNING**
 - Group [G06Q 40/068](#) is incomplete pending reclassification of documents from group [G06Q 40/06](#).
 - Groups [G06Q 40/06](#) and [G06Q 40/068](#) should be considered in order to perform a complete search.
- 40/08 . Insurance
 - WARNING**
 - Group [G06Q 40/08](#) is impacted by reclassification into groups [G06Q 40/082](#), [G06Q 40/0821](#), [G06Q 40/0822](#), [G06Q 40/08221](#), [G06Q 40/08222](#), [G06Q 40/08223](#), [G06Q 40/083](#), [G06Q 40/084](#), [G06Q 40/0841](#), [G06Q 40/0842](#), [G06Q 40/085](#), [G06Q 40/086](#), [G06Q 40/0861](#), [G06Q 40/087](#) and [G06Q 40/09](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.
- 40/082 . . {platforms for insurance research, comparison or matching insurance customers and providers using insurance risk factors}
 - WARNING**
 - Groups [G06Q 40/082](#), [G06Q 40/0821](#), [G06Q 40/0822](#), [G06Q 40/08221](#), [G06Q 40/08222](#) and [G06Q 40/08223](#) are incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.
- 40/0821 . . . {by recommending insurance products, customers or providers based on risk analysis}
- 40/0822 . . . {by determining insurance risk or fault}
- 40/08221 {using vehicle data and driving data}
- 40/08222 {by calculating actual insurance loss value}
- 40/08223 {by calculating potential insurance loss value}
- 40/083 . . {using fraud detection or prevention analysis}
 - WARNING**
 - Group [G06Q 40/083](#) is incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - Groups [G06Q 40/08](#) and [G06Q 40/083](#) should be considered in order to perform a complete search.
- 40/084 . . {by insurance claims processing}
 - WARNING**
 - Groups [G06Q 40/084](#), [G06Q 40/0841](#) and [G06Q 40/0842](#) are incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - All groups listed in this Warning should be considered in order to perform a complete search.
- 40/0841 . . . {using image analysis}
- 40/0842 . . . {using sensors}
- 40/085 . . {for coordinating insurance risk prevention measures for insurance policy coverage}
 - WARNING**
 - Group [G06Q 40/085](#) is incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - Groups [G06Q 40/08](#) and [G06Q 40/085](#) should be considered in order to perform a complete search.
- 40/086 . . {by calculating insurance premiums for insurance policies}
 - WARNING**
 - Groups [G06Q 40/086](#) and [G06Q 40/0861](#) are incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - Groups [G06Q 40/08](#), [G06Q 40/086](#) and [G06Q 40/0861](#) should be considered in order to perform a complete search.
- 40/0861 . . . {using sensors}
- 40/087 . . {using annuities}
 - WARNING**
 - Group [G06Q 40/087](#) is incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - Groups [G06Q 40/08](#) and [G06Q 40/087](#) should be considered in order to perform a complete search.
- 40/09 . . {using artificial intelligence, machine learning or neural networks}
 - WARNING**
 - Group [G06Q 40/09](#) is incomplete pending reclassification of documents from group [G06Q 40/08](#).
 - Groups [G06Q 40/08](#) and [G06Q 40/09](#) should be considered in order to perform a complete search.
- 40/10 . Tax strategies

- 40/12 . Accounting
- WARNING**
- Group [G06Q 40/12](#) is impacted by reclassification into groups [G06Q 40/124](#) and [G06Q 40/126](#).
- Groups [G06Q 40/12](#), [G06Q 40/124](#) and [G06Q 40/126](#) should be considered in order to perform a complete search.
- 40/123 . . {Tax preparation or submission}
- 40/124 . . {Auditing}
- WARNING**
- Group [G06Q 40/124](#) is incomplete pending reclassification of documents from group [G06Q 40/12](#).
- Groups [G06Q 40/12](#) and [G06Q 40/124](#) should be considered in order to perform a complete search.
- 40/125 . . {Finance or payroll}
- 40/126 . . {Corporate accounting}
- WARNING**
- Group [G06Q 40/126](#) is incomplete pending reclassification of documents from group [G06Q 40/12](#).
- Groups [G06Q 40/12](#) and [G06Q 40/126](#) should be considered in order to perform a complete search.
- 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.
- 50/02 . 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 (charging, metering or billing arrangements specially adapted for data communications [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

- 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