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

1. Groups G06Q 10/00 - G06Q 50/00 and G06Q 99/00 only cover systems or methods that involve significant data processing operations, i.e. data processing operations that need to be carried out by a technological, e.g. computing, system or device. Group G06Q 90/00 covers systems or methods that do not involve significant data processing, when both of the following conditions are fulfilled:
   - the systems or methods are specially adapted for the purposes mentioned in the subclass title or the titles of groups G06Q 10/00 - G06Q 50/00; and
   - the systems or methods cannot be classified elsewhere, for example by applying the principles described in paragraph 96 of the Guide to the IPC.

2. 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
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.

10/065  .  .  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]

CPC - 2023.08
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]
NOTE

Features of the apparatus per se should be classified in G06Q 1/14

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]

20/203 . . . [Inventory monitoring]
20/204 . . . [comprising interface for record bearing medium or carrier for electronic funds transfer or payment credit]
20/206 . . . [comprising security or operator identification provisions, e.g. password entry]
20/207 . . . [Tax processing]
20/208 . . . [Input by product or record sensing, e.g. weighing or scanner processing]
20/209 . . . [Specified transaction journal output feature, e.g. printed receipt or voice output]

20/22 . . . Payment schemes or models
20/223 . . . [based on the use of peer-to-peer networks]
20/227 . . . [characterised in that multiple accounts are available, e.g. to the payer]
20/229 . . . [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]
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]
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
{ Product appraisal
Advertisements
{ Request for offers or quotes
{ Buyer or seller confidence or verification
{ Supply or demand aggregation
{ Regulated
{ Catalogue ordering
{ Electronic shopping [e-shopping]
{ Buying, selling or leasing transactions
Billing or invoicing
Electronic shopping [e-shopping]
Price estimation or determination
Rating or review of business operators or e.g. providing product or service information,
{ Customer communication at a business location,
50/2057 . . . . [Career enhancement or continuing education service]
50/22 . . Social work
50/26 . . Government or public services
50/265 . . . . [Personal security, identity or safety]
50/28 . Logistics, e.g. warehousing, loading, distribution or shipping
50/30 . Transportation; Communications
50/32 . . . Post and telecommunications (franking apparatus G07B 17/00)
50/34 . Betting or bookmaking, e.g. Internet betting

NOTE
When classifying in this group, classification should also be made in group G07F 17/32

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