

Search history

Search 1: TAC= (card and (reload* or rechang* or ATM or payment*) and reader and camera) and PD<20191003 (Results 862)
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1) Family number: 29050618 (US2003169881A)

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Title: LOCATION BASED FRAUD REDUCTION SYSTEM AND METHOD

Abstract: Likelihood of fraud is reduced by having at least one of an identifier of a location from where a request is submitted or information that can lead to identification of the location, submitted with or in addition to a request. Then, determination is made to whether to service the request, based at least in part on the location from where the request is submitted. In various embodiments, the location may be compared against predetermined permissible location(s) or a current user location. The request may be a request to charge an amount against an account, such as a credit card account, a request to access a physical resource, such as a VPN, or an informational resource, such as account information, or a request to access a secured area.

Classifications:

International (IPC 8-9): G01C21/00 G06F G06F1/00 G06F13/00 G06F17/00 G06F21/34 G06F21/62 G06F7/08 G06K G06K13/18 G06K17/00 G06K19/06 G06K19/07 G06K19/073 G06K19/077 G06K5/00 G06K7/00 G06K7/01 G06K7/08 G06K7/10 G06Q G06Q10/00 G06Q20/00 G06Q20/02 G06Q20/04 G06Q20/08 G06Q20/10 G06Q20/12 G06Q20/20 G06Q20/22 G06Q20/24 G06Q20/30 G06Q20/32 G06Q20/34 G06Q20/36 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/04 G06Q30/06 G06Q40/00 G06Q40/02 G06Q50/00 G06Q50/26 G06Q90/00 G07C9/00 G07F G07F19/00 G07F7/08 G07G5/00 G6K7/08 G6Q20/00 H04B5/00 H04M1/66 H04M11/00 H04M15/00 H04M17/00 H04M3/00 H04Q7/20 H04W24/00 H04W4/02 H04W4/12 H04W4/24 H04W88/02 (Advanced/Invention); G06K17/00 G06Q20/04 G06Q20/10 G06Q20/40 G06Q40/00 G06Q40/02 (Advanced/Non-invention); G01C21/00 G06K5/00 G06Q10/00 G06Q20/00 G07C9/00 H04M1/66 H04M15/00 H04M17/00 H04M3/00 H04Q7/20 H04W24/00 (Core/Invention); G06Q G07F (Subclass/Invention)

International (IPC 1-7): H04K1/00

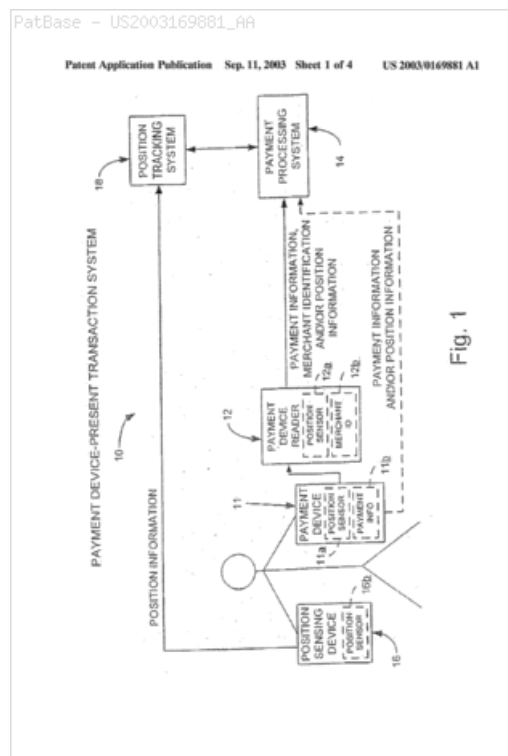
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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: SQUARE INC

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Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; MINDTRIBE PRODUCT ENGINEERING INC

Inventor(s): (std): JAMES M MCKELVEY ; SA WEN ; WEN SA ; CUMMINS JUSTIN PHILIP ; MONICA DIEGO ; SATHER ELLIOT JOHN ; RYLE GERALD THOMAS ; HO MICHAEL SHYH YEN ; LAMBA KARTIK ; ROTHSCHILD ADAM DAVID PETER ; BABU AMISH ; SATHER ELLIOT JOHN PATRICK ; NEIDERMEYER BRIAN JOSEPH ; HENDERSON WILLIAM ; GRASSADONIA BRIAN ; MCKELVEY JAMES M ; WILSON MATT ; WEN SAM ; DORSEY JACK ; NIEDERMEYER BRIAN JOSEPH ; NIEDERMEYER BRIAN J ; QUIGLEY OLIVER SAMUEL CURRAN ; MCCAULEY NATHAN P ; CUMMINS JUSTIN PHILLIP ; MONICA DIOGO ; STAPLES GREGORY ; MCKELVEY JIM ; BABU AMISH RAJESH ; RYLE GERLAD THOMAS ; CUMMINS JUSTIN PHILLIP ; BRIAN GRASSADONIA ; JACK DORSEY ; WILLIAM HENDERSON ; WADE JEREMY ; DOROGUSKER JESSE ; TEMPLETON THOMAS ; LAMFALUSI MICHAEL C ; MCKELVEY JAMES M M ; MCKELVEY JAMES ; WEN XUANCONG

Inventor(s): SAM WEN

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; EAGAR AND MARTIN PTY LTD; EAGAR AND ASSOCIATES PTY LTD; FB RICE PTY LTD; SMART AND BIGGAR; BENNETT JONES LLP; MOORE GRAEME PATRICK; SHIPP NICHOLAS; MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO LLP; DEQI INTELLECTUAL PROPERTY LAW HONGKONG CORP LTD; ROUSE AND CO INT OVERSEAS LTD; KUMAKURA YOSHIO; UESUGI HIROSHI; OHTSUKA FUMIAKI; SUDA HIROYUKI; NISHIJIMA TAKAKI; KONDO NAOKI; DESHIMARU TAKESHI; SCHWABE WILLIAMSON AND WYATT PC PACWEST CENTER SUITE 1900; SCHWABE WILLIAMSON AND WYATT PACWEST CENTER SUITE 1900; SCHWABE WILLIAMSON AND WYATT PC; SCHWABE WILLIAMSON AND WYATT; PAUL; GOODWIN PROCTER LLP; MINTZ LEVIN; MINTZ; NOVAK DRUCE CONNOLLY BOVE AND QUIGG LLP; POLSINELLI PC; POLSINELLI PC SQUARE; XUE DAVID T ET AL; DAVIS PAUL ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY NZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Abstract: The SNAP MOBILE PAYMENT APPARATUSES, METHODS AND SYSTEMS ("SNAP") transform real-time-generated merchant-product Quick Response codes via SNAP components into virtual wallet card-based transaction purchase notifications. In one embodiment, the SNAP obtains a snapshot of a QR code presented on a display screen of a point-of-sale device from a mobile device. The SNAP decodes the QR code to obtain product information included in a checkout request of the user, and merchant information for processing a user purchase transaction with a merchant providing the QR code. The SNAP accesses a user virtual wallet to obtain user account information to process the user purchase transaction with the merchant. Using the product information, merchant information and user account information, the SNAP generates a card authorization request, and which the SNAP provides to a payment network for transaction processing. Also, the SNAP obtains a purchase receipt confirming processing of the user purchase transaction.

Classifications:

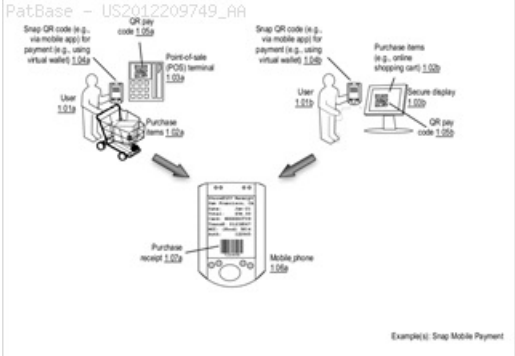
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G06Q (Subclass/Invention)

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European: G06Q30/06

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Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: VISA INT SERVICE ASSOCIATION

Assignee(s): (std): BADEA SEBASTIAN ; BAYER LEX N ; BECK ANDREW ; BHARGAVA AMIL ; BHARGAVA AMIT ; BLUM MARC ; GRAHAM VICTORIA ; CARLSON MARK ; FRENCH SUSAN ; FAITH PATRICK ; GAVRILOV MIROSLAV ; CIUREA PETER ; CHATTERJEE SAURAV ; CALIFORNIA INST OF TECHN ; PLAYSPAN INC ; SALMON DIANE ; HUA JULIAN ; JHA SHIPRA ; KATZIN EDWARD ; MAGRUDER ANDREW M ; KALGI AVINASH ; HAMMAD AYMAN ; SHASTRY VISH ; PURVES THOMAS ; HARIRAMANI PRAKASH ; HARRIS THEODORE DAVID ; KIM NANCY ; KARPENKO IGOR ; KUMNICK PHILLIP ; PANDEY VANITA ; PFISTERER BEN ; MORI MICHAEL ; SCHULZ JENNIFER ; POURFALLAH STACY ; LI SHAW ; HARRIS THEODORE ; MAHADKAR SHILPAK ; VISA INT SERVICE ASS ; VISA INT SERVICE ASSOCIATION ; SHRIVASTAVA ABHINAV ; SHASTRY VISHWANATH ; STOREY GREGORY KENNETH ; THEURER TENNI

Assignee(s): VISA INTERNATIONAL SERVICE ASSOCIATION ; CALIFORNIA INST OF TECHNOLOGY ; CALIFORNIA INSTITUTE OF TECHNOLOGY ; CRESTLINE DIRECT FINANCE LP ; EMPIRE TECHNOLOGY DEVELOPMENT LLC

Inventor(s): (std): GRAHAM VICTORIA ; HUA JULIAN ; BHARGAVA AMIL ; CARLSON MARK ; JHA SHIPRA ; FRENCH SUSAN ; KATZIN EDWARD ; MAGRUDER ANDREW M ; KALGI AVINASH ; BLUM MARC ; SHASTRY VISH ; HARIRAMANI PRAKASH ; SHRIVASTAVA ABHINAV ; LI SHAW ; PURVES THOMAS ; PFISTERER BEN ; HARRIS THEODORE ; PANDEY VANITA ; BECK ANDREW ; CIUREA PETER ; BHARGAVA AMIT ; MORI MICHAEL ; STOREY GREGORY KENNETH ; GAVRILOV MIROSLAV ; HAMMAD AYMAN ; KARPENKO IGOR ; BADEA SEBASTIAN ; KUMNICK PHILLIP ; CHATTERJEE SAURAV ; THEURER TENNI ; FAITH PATRICK ; POURFALLAH STACY ; SALMON DIANE ; BAYER LEX N ; SCHULZ JENNIFER ; SHASTRY VISHWANATH ; KATZIN EDWARD N ; HARRIS THEODORE DAVID ; KIM NANCY ; FAITH PATRICK L ; S JIA ; S LI ; MAHADKAR SHILPAK ; MAKHDUMI UZMA ; HAMMAD AYMAN A ; P HURLAMANI ; ALEGRE THIAGO ; BLASIUS TIMOTHY DOBSON ; KRAUSE ALEXANDER GREY ; LIN QIANG ; PAINTER OSKAR ; SAFAVI NAENI AMIR ; WINGER III MARTIN ; WINGER MARTIN ; MADADKAR SHILPAK

Agent(s): PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; SPRUSON AND FERGUSON ; READ MATTHEW CHARLES ; ANDERSON OLIVER BEN ; CLT PATENT AND TRADEMARK HK LTD ; FUJIMOTO RYOSUKE ; SPRUSON AND FERGUSON ASIA PTE LTD ; TURK IP LAW LLC ; JONES DAY ; LOEB AND LOEB LLP ; HANCHUK WALTER ; HANCHUK WALTER G ; BIERNACKI JOHN V ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 28150576 (US2001038555A)

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Title: NONVOLATILE MEMORY AND SEMICONDUCTOR DEVICE

Abstract: A nonvolatile memory capable of acting at each 1 bit and having a high integration density. A small-sized semiconductor device of multiple high functions having such nonvolatile memory. The nonvolatile memory is constructed to have a memory cell composed of two memory transistors so that it can realize a memory capacity of two times as large for a memory area as that of the full-function EEPROM of the prior art, in which the memory cell is composed of one memory transistor and one selection transistor, while retaining functions similar to those of the EEPROM. On the other hand, the small-sized semiconductor device of high functions or multiple functions is realized by forming the nonvolatile memory of the invention integrally with another semiconductor part over a substrate having an insulating surface.

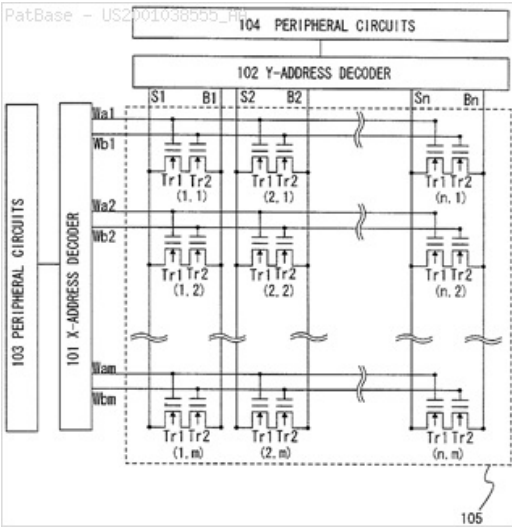
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Priority:

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

4) Family number: 28233540 (US2002002533A) PatBase

Title: METHOD AND APPARATUS FOR A PAYMENT CARD SYSTEM

Abstract: A payment card (30) and payment system (12) that can be used by a customer (20) to perform a transaction with a merchant (22) using an existing bankcard (31) of the customer (20). In some of the embodiments, the payment card (30) provides a level of security to the customer (20) because the payment card (30) does not identify the customer (20) by name. Further, the card number and/or expiration date of the bankcard (31) is not disclosed to the merchant (22).

Classifications:

International (IPC 8-9): G06F21/00 G06K17/00 G06K19/00 G06K19/07 G06K19/077 G06K5/00 G06Q10/08 G06Q20/00 G06Q20/02 G06Q20/04 G06Q20/10 G06Q20/12 G06Q20/14 G06Q20/20 G06Q20/24 G06Q20/32 G06Q20/34 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/06 G06Q40/00 G06Q99/00 G07F19/00 G07F7/10 H01H9/00

H04L9/32 (Advanced/Invention);

G06Q40/00 (Advanced/Non-invention);

G06F21/00 G06K5/00 G06Q20/00 H04L9/32 (Core/Invention)

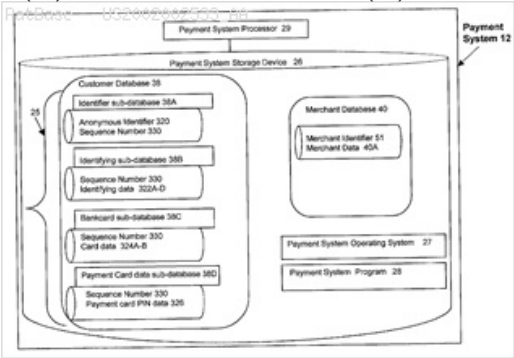
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G07G1/00 H04K1/00

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European: G06F17/60B2 G06F17/60B6 G06Q20/02 G06Q20/023 G06Q20/04 G06Q20/10 G06Q20/102 G06Q20/1085 G06Q20/12 G06Q20/14 G06Q20/204 G06Q20/206 G06Q20/24 G06Q20/32 G06Q20/322 G06Q20/3224 G06Q20/3227 G06Q20/327 G06Q20/3276 G06Q20/3415 G06Q20/342 G06Q20/353 G06Q20/3674 G06Q20/382 G06Q20/383 G06Q20/385 G06Q20/40 G06Q20/401 G06Q20/4012 G06Q20/4014 G06Q20/403 G06Q20/02 G06Q30/02 G06Q30/0601 G06Q40/00 G07F19/00B G07F19/203 G07F7/02E G07F7/10D

US: 1/1 200/5A 235/379 235/379S 235/380 235/380S 235/382.5 235/382.500P 235/487 705/17 705/17S 705/18 705/18P 705/21 705/26 705/26.1 705/26.100S 705/26.42 705/26S 705/325 705/35 705/39 705/39P 705/39S 705/4 705/40 705/40P 705/40S 705/41 705/43 705/43P 705/44 705/44P 705/44S 705/53 705/64 705/64P 705/67 705/67P 705/72 705/72S 705/73 705/73P 705/74 705/74P 705/75 726/9 726/9S



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Probable Assignee: SALES TRANSACTION SYSTEMS LLC

Assignee(s): (std): SINGHAI TARA CHAND ; SINGHAL TARA C ; SINGHAL TARA CHAND

Assignee(s): TARA CHAND SINGHAL ; SINGHAL TARA CLAND ; INTERNET PROMISE GROUP LLC ; SALES TRANSACTION SYSTEMS LLC

Inventor(s): (std): SINGHAL TARA C ; SINGHAI TARA CHAND ; SINGHAL TARA CHAND

Inventor(s): TARA CHAND SINGHAL ; TARA C SINGHAL

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; TARA CHAND SINGHAL; STEVEN G; STEVE; ROEDER ESQ STEVE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

5) Family number: 28964789 (US2002194137A)

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Title: OPTICAL PAYMENT TRANSCIEVER AND SYSTEM USING THE SAME

Abstract: An optical payment transceiver and an optical settlement system using the same uses a personal portable terminal incorporated with an optical transceiver as a card substitute payment unit for settlement. Here, card information is incorporated in a personal portable terminal incorporated with an optical transceiver such as a portable phone or a PDA and the optical transceiver is connected to a card inquiry machine to thereby optically transmit and receive card information. The card inquiry machine recognizes the received card information in the same manner as that of the card reader reading a magnetic card, and transmits the card information to a VAN company server or a card company server, to then request for an approval and settle transactions. The present invention is applied to most fields where financial transactions are performed as in a general commerce, a toll gate fee or tunnel passage fee collection system, a subway or bus fare levying system, a gas station, a department store, a drive-thru ordering system, a vending machine, and a fee payment system of kiosks. Also, the present invention can be applied to an entrance/exit security system requiring personal identification. Thus, the present invention can use a portable terminal as a payment unit without carrying a cash or cards, to thereby provide an effect of performing a safer and more reliable credit transaction.

Classifications:

International (IPC 8-9): B67D7/24 G06F G06F19/00 G06K G06K17/00 G06K5/00 G06Q G06Q10/00 G06Q20/00 G06Q20/20 G06Q20/30 G06Q20/32 G06Q20/40 G06Q20/42 G06Q30/00 G06Q40/00 G06Q40/02 G06Q50/00 G06Q99/00 G07B G07B1/00 G07B15/00 G07B15/06 G07F G07F19/00 G07F7/00 G07F7/02 G07F7/08 G07F7/10 G07G1/00 G07G1/12 G07G1/14 G08C G08C23/04 H04B1/38 H04B10/02 H04L9/00 H04L9/32 H04M1/66 H04Q H04Q7/24 H04Q7/38 H04W12/02 H04W12/04 H04W12/06 H04W4/00 H04W4/04 H04W4/24 H04W8/20 H04W88/02 H04W88/06 H04W88/18 (Advanced/Invention); G06K17/00 G06K5/00 G06Q10/00 G06Q20/00 G06Q40/00 G06Q50/00 G07B15/00 G07F7/08 G07G1/12 H04B1/38 H04B1/40 H04L9/32 H04Q7/38 H04W12/02 H04W12/06 H04W4/04 H04W4/24 H04W88/02 H04W88/18 (Advanced/Non-invention); G06F19/00 H04B1/38 H04Q7/24 H04W12/00 H04W4/24 H04W8/18 H04W88/00 (Core/Invention)

International (IPC 1-7): B67D5/24 G06F15/21 G06F15/30 G06F17/60 G06F19/00 G06K17/00 G06K19/00 G06K5/00 G07B15/00 G07F7/02 G07F7/08 G07G1/12 H04B1/38 H04B1/40 H04L9/32 H04M15/00 H04Q7/24 H04Q7/38

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European: G06Q20/10 G06Q20/102 G06Q20/20 G06Q20/32 G06Q20/322 G06Q20/327 G06Q20/341 G06Q20/342 G06Q20/351 G06Q20/355 G06Q20/363 G06Q20/367 G06Q20/3672 G06Q20/382 G06Q20/40 G06Q30/0213 G06Q30/0222 G06Q40/00 G07B15/06B G07F7/02E G07F7/08C G07F7/10D

US: 1/1 455/411 455/411S 705/1 705/1.1 705/1.100S 705/13 705/13P 705/14 705/14.15 705/14.150P 705/14.23 705/14.230S 705/26 705/27 705/35 705/35S 705/39 705/40 705/40P 705/40S 705/44 705/44S 705/64 705/64P 705/65 705/66



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Priority:

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Probable Assignee: HAREXINFOTECH INC

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Inventor(s): PARK KYUNG YANG KIM CHUL KI HWANG QUE MIN JUNG BON ; PARK KYUNG YANG KIM CHUL KI HWANG QUE MIN JUNG ; WOO HEO ; WOO HEE ; PARK KYUNG YANG KIM CHUL KI HWANG QUE MIN JUNG BONG SUNG SUNG KWANG HYUN KIM DO HA JUNG HOON JOON KANG BOG HEUI CHO EUN SANG KIM WON DONG KIM DAE YEON CHANG KWANG SU WOO HEE GU ; JUNG HOON ; HWANG OUE ; JUNG BONG ; HWANG QUE ; WOO HEO GU ; SUNG KWANG ; KIM WON ; PARK KYUNG ; KANG BOG ; KIM DO ; KIM DAE ; KIM CHUL ; PARK KYUNG YANG KIM CHUL KI HWANG QUE MIN ; HWANG OUE MIN ; CHO EUN ; CHANG KWANG

Agent(s): SHELSTON IP PTY LTD; SHELSTON IP; NTD PATENT AND TRADE MARK AGENCY LTD; WATANABE TOSHIKI; SEKIYA MITSUO; HIRAKI YUSUKE; INABA YOSHIYUKI; F CHAU AND ASSOCIATES LLC; MCNEELY BODENDORF LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

6) Family number: 31019239 (US2003179290A)

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Title: TRANSACTION SYSTEM

Abstract: A system for carrying out transactions includes customer stations (118) and ATM stations (120) and a service provider station (114). The service provider station and customer stations are operated in a building (116) or other facility in which a service provider operates the service provider station in a secure room. Audio and video communications are established between the service provider and customers at the customer stations and ATM stations. Items can be exchanged between customer station customers and the service provider through carriers (26) transmitted through a pneumatic tube system (22). A video material presentation device (50) provides promotional or other video material which may be presented on displays at the customer stations. The video material may be presented to customers when the customer terminal is not in communication with the service provider terminal.

Classifications:

International (ipc 8-9): B65G51/00 B65G51/06 B65G61/00 B66B9/04 E05G7/00 G06F17/60 G06F19/00 G06F7/04 G06F7/08 G06G1/12 G06K19/00 G06K19/06 G06K5/00 G06K7/00 G06K7/08 G06K9/60 G06Q20/00 G06Q20/10 G06Q30/00 G06Q30/02 G06Q40/00 G06Q40/02 G06Q50/00 G07B1/00 G07B5/00 G07D11/00 G07D9/00 G07F11/00 G07F19/00 G07F7/08 G07F9/02 G07G1/00 G07G1/14 H04M1/00 H04N7/14 H04N7/18 H04N9/47 (Advanced/Invention); B65G61/00 B66B9/04 G06Q20/00 G06Q50/00 G07B1/00 G07B5/00 G07D9/00 H04N7/18 (Advanced/Non-invention); B65G51/00 B65G61/00 B66B9/04 E05G7/00 G06F7/06 G06Q20/00 G06Q50/00 G07B1/00 G07B5/00 G07D9/00 G07F19/00 G07G1/00 H04N7/18 (Core/Invention); E06B (Subclass/Invention)

International (ipc 1-7): B65G51/00 B65G51/06 B66B9/04 E05G7/00 E06B G06F17/60 G07B1/00 G07B5/00 G07D9/00 G07F19/00 H04M1/00 H04N7/18 H04Q

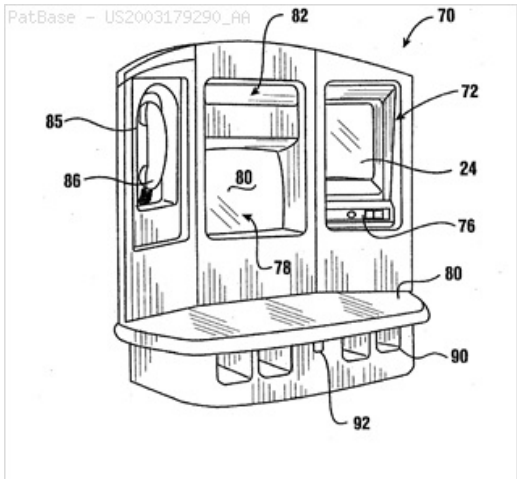
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European: G06Q20/10 G06Q20/105 G06Q20/108 G06Q20/1085 G06Q20/20 G06Q20/382 G06Q20/40 G06Q20/401 G06Q30/02 G06Q30/0201 G06Q30/0207 G06Q30/0212 G06Q30/0235 G06Q30/0236 G06Q30/0239 G06Q30/0241 G06Q30/0242 G06Q30/0251 G06Q30/0255 G06Q30/0271 G06Q30/0277 G06Q40/02 G07F19/00F G07F19/20 G07F19/201 G07F19/211 H04N7/18

US: 1/1 109/10 235/375 235/375S 235/379 235/379P 235/379S 235/380 235/381 235/381S 235/382 235/382S 235/435 235/449 235/487 235/492 235/493 340/5.82 340/5.820S 348/14.01 348/14.010S 348/61 348/61P 348/E7.077 348/E7.085 348/E70.77S 348/E70.85S 382/138 705/1.1 705/10 705/14 705/14.1 705/14.14 705/14.35 705/14.36 705/14.39 705/14.4 705/14.41 705/14.49 705/14.53 705/14.67 705/14.73 705/16 705/21 705/39 705/39P 705/41 705/42 705/43 705/43P 705/43S 705/44 705/64 705/7.11 705/7.29 705/70 705/75

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Publication number	Publication date	Application number	Application date
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AU731939 B2	20010405	AU19980063745	19980430
BRPI9808143 A	20000328	BR1998PI08143	19980505
CA2281814 AA	19990818	CA19982281814	19980505
CA2281814 C	20050531	CA19982281814	19980505
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CN1252916 A	20000510	CN19988004248	19980505
EP0981907 A1	20000301	EP19980920266	19980505
EP0981907 A4	20000419	EP19980920266	19980505
HU0004138 AB	20010328	HU20000004138	19980505
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JP3130863 B2	20010131	JP19980107569	19980417
KR100332377 B1	20020412	KR19997008815	19990927
NZ329950 A	19980924	NZ19980329950	19980311
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RU99126122 A	20011120	RU19990126122	19980505
TW411683 B	20001111	TW19980105453	19980410
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Assignee(s): (std): BAKERINK ALLAN R ; BENORE RANDOLPH C ; BILLETT NICK ; BUTLER THERESA ; DEPIETRO MARK ;

DEVARASETTY BALAJI ; DIEBOLD INC ; DIBBLET INC ; DIEBOLD SELF SERVICE SYS ; GILL ROBERT BRADLEY ; DIFRANGO RON ; DIEBOLD INC NORTH CANTON ; FRAZZITTA BARTHOLOMEW J ; DIEBOLD SELF SERVICE SYSTEMS ; MCINTYRE DANIEL C ; MEEK JAMES ; MCINTYRE DANIEL S ; MCCOY DONALD P ; JIANG CHANGNING ; SINGER IREK ; SHIMEK GREGORY ; SYMONDS ROBERT D ; ST GEORGE PETER ; KNOWLES EDITH ; KORAN KEN ; LEE ANTHONY ; PRAKASH ALOK ; KRAVITZ LEE ; REINART MARK ; O BOYLE MICHAEL ; HEMLICK WILLIAM ; GRAEF H THOMAS ; SMITH MARK D

Assignee(s): JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; KALMAN JEFFREY M ; DIEBOLD SELF SERVICE SYSTEM DIVISION OF DIEBOLD INC ; DIEBOLD NIXDORF INC ; DIEBOLD SELF SERVICE SYSTEMS DIVISION OF DIEBOLD I ; DIEBOLD SELF SERVICE SYSTEMS DIVISION OF DIEBOLD INC ; DIEBOLD INC NORTH CANTON OHIO ; DAJBOLD INKORPOREJTD

Inventor(s): (std): FRAZZITTA BARTHOLOMEW J ; BENORE RANDOLPH C ; MCINTYRE DANIEL S ; DEPIETRO MARK ; KALMAN JEFFREY M ; FRATSTISITTA BARTOLOM JU DZH ; BENOUR REHNDOL F S ; MAKINTAJR DEHNIEL S ; KALMAN DZHEFFRI M ; LEE TONY ; MEEK JAMES ; BAKERINK ALLAN R ; DE PIETRO MARK DE PIETRO MARK ; BARTHOLOMEW J FRAZZITTA ; BENORE RANDOLPH C BENORE RANDOLPH C ; DANIEL S MCINTYRE ; FRAZZITTA BARTHOLOMEW J FRAZZITTA BARTHOLOMEW J ; MARK DEPIETRO ; KALMAN JEFFREY M KALMAN JEFFREY M ; MCINTYRE DANIEL S MCINTYRE DANIEL S ; JEFFREY M KALMAN ; RANDOLPH C BENORE ; LYNDON L LIEBELT ; MCINTYRE DANIEL C ; SMITH MARK D ; DEPIETRO MARK A ; MCLNTYRE DANIEL S ; DE PIETRO MARK ; KORAN KEN ; JIANG CHANGNING ; SHIMEK GREGORY ; MCCOY DONALD ; SYMONDS ROBERT D ; GILL ROBERT BRADLEY ; HEMLICK WILLIAM ; DIFRANGO RON ; LEE ANTHONY ; ST GEORGE PETER ; SINGER IREK ; BILLETT NICK ; DEVARASETTY BALAJI ; REINART MARK ; KRAVITZ LEE ; O BOYLE MICHAEL ; MCCOY DONALD P ; BUTLER THERESA ; PRAKASH ALOK ; KNOWLES EDITH ; GRAEF H THOMAS

Inventor(s): FRATSTISITTA BARTOLOM'JU DZH ; BENOUR REHNDOL'F S ; STGEORGE PETER ; FRAZZITTA BARTHOLOMEW ; BAKERINK ALLAN ; BENORE RANDOLPH ; MCINTYRE DANIEL

Agent(s): FB RICE ; FB RICE PTY LTD ; DIMOCK STRATTON LLP ; SUGIMURA KOSAKU ; RALPH E JOCKE WALKER AND JOCKE LPA ; RALPH E JOCKE WALKER AND JOCKE ; WALKER AND JOCKE ; RALPH E ; DANIEL D ; JOCKE RALPH E ; WASIL DANIEL D ; BLACK MCCUSKEY SOUERS AND ARBAUGH LPA

Designated states: AT BE BR CA CH CN CY CZ DE DK ES FI FR GB GR HU IE IT KR LI LU MC MX NL PL PT RU SE

7) Family number: 63189286 (US2016247144A)

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Title: PAYMENT PROCESSING METHOD AND ELECTRONIC DEVICE SUPPORTING THE SAME

Abstract: An electronic device and method of processing a payment at the electronic device are provided. The electronic device includes a security memory configured to store payment information of a near field communication (NFC) method, payment information of a magnetic security transmit (MST) method, and fingerprint information, and a processor configured to control a multiple payment operation of the NFC method and the MST method when fingerprint information obtained through fingerprint detection is valid. The processor is further configured to control a signal processing information according to the NFC method operation and a signal processing information according to the MST method operation to be outputted as one screen interface.

Classifications:

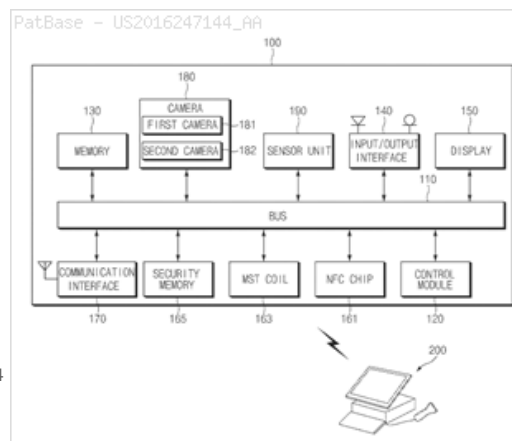
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Priority:

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Assignee(s): (std): SAMSUNG ELECTRONICS CO LTD

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 30589653 (US2004103059A)

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Title: METHOD FOR ACCELERATED PROVISION OF FUNDS FOR SOCIAL SERVICES DIRECTLY TO AN INDIVIDUAL USING A SMART CARD

Abstract: The invention is a method for accelerating the provision of funds to an individual from a government social service program via a program administrator using a smart card by issuing a smart card to an individual related to a particular government social service program, using the smart card to determine if the user is preauthorized for the advancement of funds for a particular government social service program and to determine if the service provider is preauthorized to provide service under the government social service program, then transmitting acknowledgment of services from service provider to government, transmitting amount from government to service provider, transmitting acknowledgement of amount from service provider to government, and transferring payment quickly from government to service provider.

Classifications:

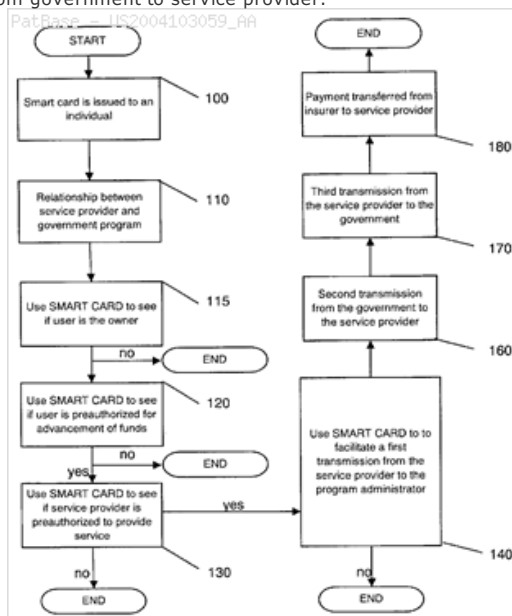
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International (IPC 1-7): G06F1/00 G06F17/00 G06F17/60 G06F7/04 G06K9/00

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European: G06F17/60A G06F19/00A G06F19/32C1 G06F19/32H G06Q10/10 G06Q20/10 G06Q20/105 G06Q20/28 G06Q20/341 G06Q20/342 G06Q20/3576 G06Q20/4014 G06Q20/40145 G06Q40/025 G06Q40/08 G06Q50/22 G07C9/00B G07C9/00B10 G07C9/00B6 G07C9/00C2D G07F7/02E G07F7/10D S07C209/02 T04L63/08F

US: 1/1 235/375 235/375S 235/375S 235/382 235/382.5 235/382.500S 235/382P 340/5.2 340/5.200S 340/5.21 340/5.210P 340/5.52 340/5.520S 382/124 382/124S 705/1 705/2 705/2P 705/2S 705/38 705/39 705/39P 705/39S 705/4 705/41 705/41P 705/41S 705/4P 705/4S 706/47 713/186 713/186P 726/20 726/9



Family:

Publication number	Publication date	Application number	Application date
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Assignee(s): (std): WHITE JR WESLEY JACK ; WHITE WESLEY J JR ; WHITE WESLEY JACK ; WHITE WESLEY JACK JR ; WOOD RICHARD GLEE ; WOOD RICHARD G ; WOOD CHRISTINE T ; WOOD CHRISTINE TAUNYA ; ACCESS SECURITY PROT LLC

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Inventor(s): WHITE ; JR WESLEY JACK ; WHITE WESLEY JJR ; WOOD RICHARD ; WOOD CHRISTINE ; WHITE WESLEY

Agent(s): BUSKOP LAW GROUP PC; CHRISTIAN HEAUSLER BUSKOP LAW GROUP PC; RICHARD G WOOD; DR RICHARD G WOOD MATTHEWS FIRM; WENDY; THE MATTHEWS FIRM; MATTHEWS FIRM

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

9) Family number: 51699919 (US2015161594A)

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Title: PAYMENT UNIT, SYSTEM AND METHOD

Abstract: A payment unit, method and system are disclosed. In one arrangement, the payment unit includes a payment card reader to participate in a payment communication to obtain payment data, a secondary reader to obtain supplementary data from a machine readable entity that is physically proximate to the unit, the supplementary data being obtained via a communication that is separate from the payment communication, and a controller to operate the payment card reader and secondary reader and to generate a payment record from said payment data and said supplementary data.

Classifications:

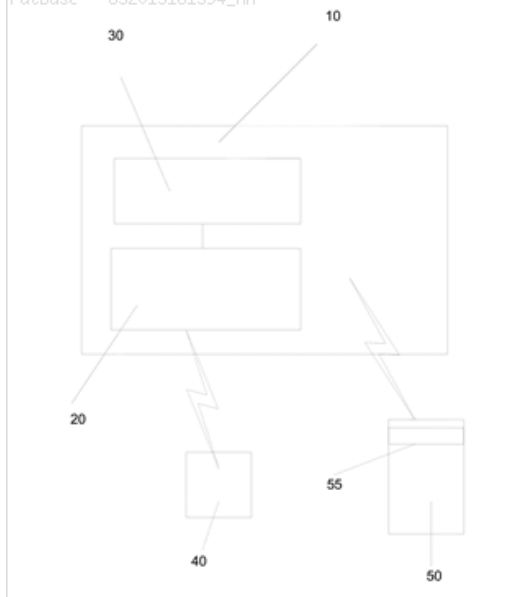
International (IPC 8-9): G06K19/07 G06K7/00 G06K7/10 G06Q20/34 G06Q20/40 G07F G07F7/08 G07G1/00 (Advanced/Invention); G07F (Subclass/Invention)

CPC: G06K7/0004 G06Q20/4014 G06Q20/3278 G06Q20/352

G07F7/0873

US: 705/41

PatBase - US2015161594_RH



Family:

Publication number	Publication date	Application number	Application date
AU2013265026 AA	20141218	AU20130265026	20130524
CA2874494 AA	20141124	CA20132874494	20130524
CN104620286 A	20150513	CN201380038868	20130524

EP2856440 A1	20150408	EP20130731427	20130524
GB201209232 A0	20120704	GB20120009232	20120525
GB201309396 A0	20130710	GB20130009396	20130524
GB2504195 A1	20140122	GB20130009396	20130524
HK1207732 A1	20160205	HK20150108081	20150820
JP2015525386 T2	20150903	JP20150513276T	20130524
SG11201407776Q A1	20141230	SG20141107776	20130524
US2015161594 AA	20150611	US20130403536	20130524
WO13175230 A1	20131128	WO2013GB51374	20130524
ZA201408919 A	20170329	ZA20140008919	20141204

Priority:

GB20120009232 20120525 WO2013GB51374 20130524

Probable Assignee: SECURE ELECTRANS LTD

Assignee(s): (std): SECURE ELECTRANS LTD ; VANCLARE SE LLC

Assignee(s): VANCLARE SE LLC407 - 60 RIVERSIDE BOULEVARDNEW YORKNY10069US ; TAYLOR NICHOLAS KIM ; JARMAN CHRISTOPHER WHITLAND ; SECURE ELECTRANS LIMITED

Inventor(s): (std): JARMAN CHRISTOPHER WHITLAND ; TAYLOR NICHOLAS KIM

Inventor(s): CHRISTOPHER WHITLAND JARMAN ; NICHOLAS KIM TAYLOR ; JARMAN CHRISTOPHER WHITLANDGB ; TAYLOR NICHOLAS KIMGB

Agent(s): FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON; TEITELBAUM AND MACLEAN; WILLIAMS POWELL; JS GALE AND CO; EXELL JONATHAN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 32803722 (US2006074768A)

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Title: DELIVERY SYSTEMS AND METHODS INVOLVING VERIFICATION OF A PAYMENT CARD FROM A HANDHELD DEVICE

Abstract: The present invention relates generally to systems and methods that facilitate the prevention of fraud occurring in connection with credit cards, debit cards, smart cards and other payment cards that are used in transactions involving goods sold by a seller, delivered by a shipper, and purchased by a buyer. Specifically, the present invention provides systems and methods that allow for physical verification of a payment card (e.g., credit card) upon delivery of goods that are purchased in the context of a remote transaction between a buyer and a seller, including, for example, goods that are ordered via phone, mail order, fax or the Internet.

Classifications:

International (IPC 8-9): G06Q10/00 G06Q10/08 G06Q20/00

G06Q20/40 G06Q30/00 G07F19/00 (Advanced/Invention)

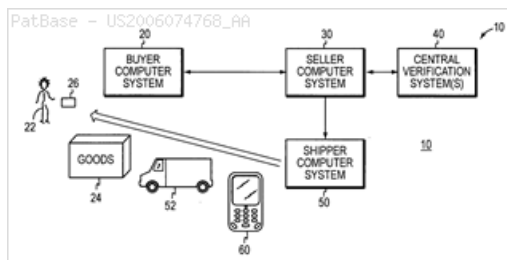
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European: G06Q10/087 G06Q20/12 G06Q20/24 G06Q30/00

G06Q30/0601 G06Q30/0609 G06Q30/0635

US: 235/383 705/1 705/1.1 705/26 705/26.1 705/26.35 705/26.350P 705/26.81 705/26.810S 705/26P 705/27 705/28 705/28S



Family:

Publication number	Publication date	Application number	Application date
CA2583134 AA	20070403	CA20052583134	20050707
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US2006074768 AA	20060406	US20040960462	20041006
US2008270261 AA	20081030	US20080170896	20080710
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US7783524 BB	20100824	US20080170896	20080710
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Priority:

US20040960462 20041006 WO2005US24086 20050707 US20080170896 20080710

Probable Assignee: UNITED PARCEL SERVICE OF AMERICA INC

Assignee(s): (std): UNITED PARCEL SERVICE AMERICA INC ; UNITED PARCEL SERVICE INC ; UNITED PARCEL SERVICE OF AMERICA INC

Assignee(s): UNITED PARCEL SERVICE OF AMERICA INC55 GLENLAKE PARKWAY, N.E.ATLANTAGA30328US ; UNITED PARCEL SERVICE OF AMERICA ; HORTON MARK

Inventor(s): (std): HORTON MARK

Inventor(s): HORTON MARKUS

Agent(s): FINLAYSON AND SINGLEHURST; ALSTON AND BIRD LLP, BANK OF AMERICA PLAZA; ALSTON AND BIRD LLP BANK OF AMERICA PLAZA; ALSTON AND BIRD LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

11) Family number: 49152889 (US2011161232A)

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Title: VIRTUALIZATION OF AUTHENTICATION TOKEN FOR SECURE APPLICATIONS

Abstract: Data and financial transactions are secured on a mobile electronics device, with three downloadable modules. A first module provides for the mobile electronics device and a network server to interactively register a cryptographic abstract of an object usually carried by the user. These objects represent physical passwords from which processing can derive characterizing information. A second module is invoked by a transaction and signals the mobile electronics device to collect a new sample of the physical password. A cryptographic abstract of it is distilled and compared to preregistered cryptographic abstracts. A third module is a key recovery process for use when the preregistered physical password sound or object is no longer available to the user.

Classifications:

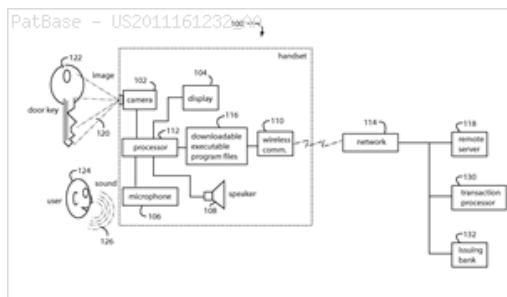
International (IPC 8-9): G06K19/06 G06K19/07 G06K19/073 G06K5/00 G06K7/08 G06K9/00 G06Q20/00 G06Q20/32 G06Q20/34 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/06 G06Q40/00 G07F7/08 H04L9/32 H04M1/66 H04W12/06 (Advanced/Invention)

CPC: H04L2463/082 H04L9/3234 H04L2209/805 G06Q20/3821 G06Q20/3829 G06F21/35 G06F21/36 G06F21/43 G06K19/06046 G06Q20/3274 G06Q20/204 G06Q20/322 G06Q30/0613 G06K19/06206 G06K19/0728 G06Q20/347 G07F7/084 G07F7/0886 G06Q20/409 G06Q20/327 G06Q20/385 G06Q20/34 G06Q20/202 G06Q20/325 G06Q20/352 G06Q2220/00 G06F21/32 G06F21/34 G06Q20/3229 G06Q20/3278 G06Q20/35765 G07F7/082 G07F7/1016 H04L9/3231 H04L63/0853 H04L2209/56 H04W12/0608

European: G06F21/32 G06F21/35 G06F21/36 G06F21/43

G06K19/06C5 G06Q20/3229 G06Q20/3278 G06Q20/34 G06Q20/347 G06Q20/35765 G06Q20/3821 G06Q20/3829 G06Q30/0613 G07F7/08A2B G07F7/08A4B G07F7/08G2P G07F7/10E H04L63/08E H04L9/32 H04L9/32J4 H04W12/06 T04L209/56 T04L63/08E

US: 1/1 235/380 235/380S 235/382 235/449 235/492 235/492P 235/492S 235/493 235/493S 235/494 235/494S 340/5.82 380/270 380/270S 382/163 382/163S 455/411 455/411P 705/17 705/26.41 705/26.410P 705/44 705/67 705/71 705/71P 705/76 705/76S 713/170 713/170S

**Family:**

Publication number	Publication date	Application number	Application date
US2011161232 AA	20110630	US20090647713	20091228
US2011240745 AA	20111006	US20100752390	20100401
US2011320314 AA	20111229	US20110225188	20110902
US2012171997 AA	20120705	US20100983186	20101231
US2012278241 AA	20121101	US20120549454	20120714
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US2015186877 AA	20150702	US20150638364	20150304
US2017109738 AA	20170420	US20160395678	20161230
US8224293 BA	20120717	US20100983186	20101231
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US9536241 BB	20170103	US20150638364	20150304
US9830598 BB	20171128	US20160395678	20161230

Priority:

US20090647713	20091228	US20100752390	20100401	US20100983186	20101231
US20110225188	20110902	US20120549454	20120714	US20120735707P	20121211
US20130098840	20131206	US20150638364	20150304	US20160395678	20161230

Probable Assignee: FITBIT INC

Assignee(s): (std): CRYPTITE LLC ; FITBIT INC ; LANDROCK PETER ; KNAPP RONALD P ; BROWN KERRY D ; COIN INC

Assignee(s): CRYPTITE INC

Inventor(s): (std): BROWN KERRY D ; MAIN RICHARD B ; KNAPP RONALD P ; LANDROCK PETER

Agent(s): MAIN LAW FIRM; RICHARD B; AMIN TUROCY AND WATSON LLP; DANIEL W; KNOBBE MARTENS OLSON AND BEAR LLP

12) Family number: 44231393 (US2010008535A)

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Title: MOBILE PHONE PAYMENT SYSTEM USING INTEGRATED CAMERA CREDIT CARD READER

Abstract: A system and a method for conducting credit card transactions through a mobile device of a user. The mobile device comprises an image acquisition unit and a mobile application operated by the mobile device. The system enables acquiring an image of a client's credit card, using the image acquisition unit; analyzing data of the image; outputting details of the credit card from the analysis; verifying the output details, wherein the verification is further carried out through the mobile application; verifying authorization of inputted monetary transaction, wherein the mobile application enables verifying the authorization by communicating with the billing center, associated with at least one credit company associated with the credit card over at least one communication network, wherein the communication is carried out by the mobile application using the mobile device; and conducting monetary transactions using the verified credit card details.

Classifications:

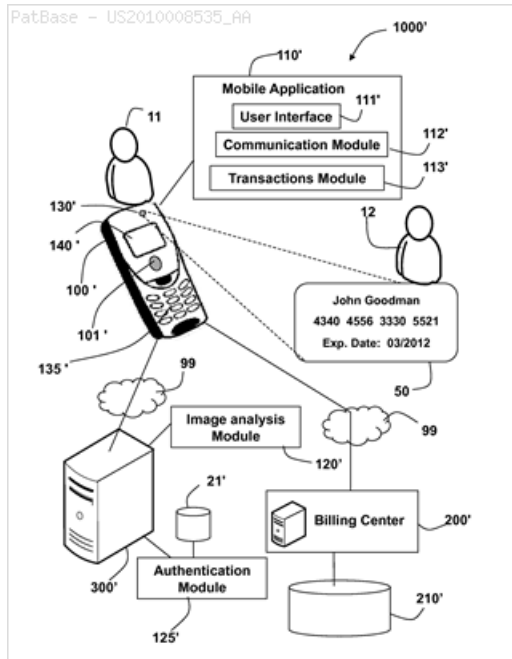
International (IPC 8-9): G06K5/00 G06K7/10 G06K9/00 G06K9/20 G06K9/22 G06K9/34 G06K9/46 G06Q10/00 G06Q20/10 G06Q20/14 G06Q20/24 G06Q20/32 G06Q20/40 G06Q20/42 G06Q40/00 H04M1/00 H04M1/725 (Advanced/Invention); H04M17/00 (Advanced/Non-invention);

G06K9/00 G06Q10/00 G06Q40/00 H04M1/00 (Core/Invention)

CPC: G06Q20/10 G06Q20/102 G06Q20/40145 G06Q20/42 G06K9/2054 G06K9/228 G06K2209/01 G06Q20/40 G06Q40/12 H04M1/72522 H04M2017/2525 H04M2250/14 H04M2250/52 G06K9/20 G06K9/344 G06K9/46 G06Q20/14 G06Q20/24 G06Q20/32 G06Q20/327 G06Q20/409

European: G06K9/20R G06K9/22W G06Q20/10 G06Q20/40 G06Q40/10 H04M1/725F1 T04M17/25A3 T04M250/14 T04M250/52

US: 1/1 235/380 235/380S 382/100 382/100P 455/556.1 455/556.100S 705/30 705/30S 705/39 705/39S 705/40 705/44 705/44P 705/44S

**Family:**

Publication number	Publication date	Application number	Application date
US2010008535 AA	20100114	US20090502269	20090714
US2012143760 AA	20120607	US20110275203	20111017
US2016140536 AA	20160519	US20160005836	20160125
US2016189122 AA	20160630	US20160059767	20160303
US9269010 BB	20160223	US20090502269	20090714
US9305230 BB	20160405	US20110275203	20111017
US9836726 BB	20171205	US20160059767	20160303
US10558967 BB	20200211	US20160005836	20160125

Priority:

US20080134665P 20080714 US20090502269 20090714 US20110275203 20111017
 US20160005836 20160125 US20160059767 20160303

Probable Assignee: JUMIO CORP

Assignee(s): (std): ABULAFIA DAVID ; COHEN EYAL ; JUMIO CORP ; JUMIO INC

Assignee(s): JUMIO BUYER INC ; AMPALU INVESTMENTS INC ; CHRISTOPHER JOSEPH CLOWER SECURITY AGENT AS ; CLOWER SECURITY AGENT CHRISTOPHER JOSEPH AS

Inventor(s): (std): COHEN EYAL ; ABULAFIA DAVID

Agent(s): LAW OFFICE OF MICHAEL E KONDOUDIS; MORGAN LEWIS AND BOCKIUS LLP

13) Family number: 30055346 (US2001016819A)

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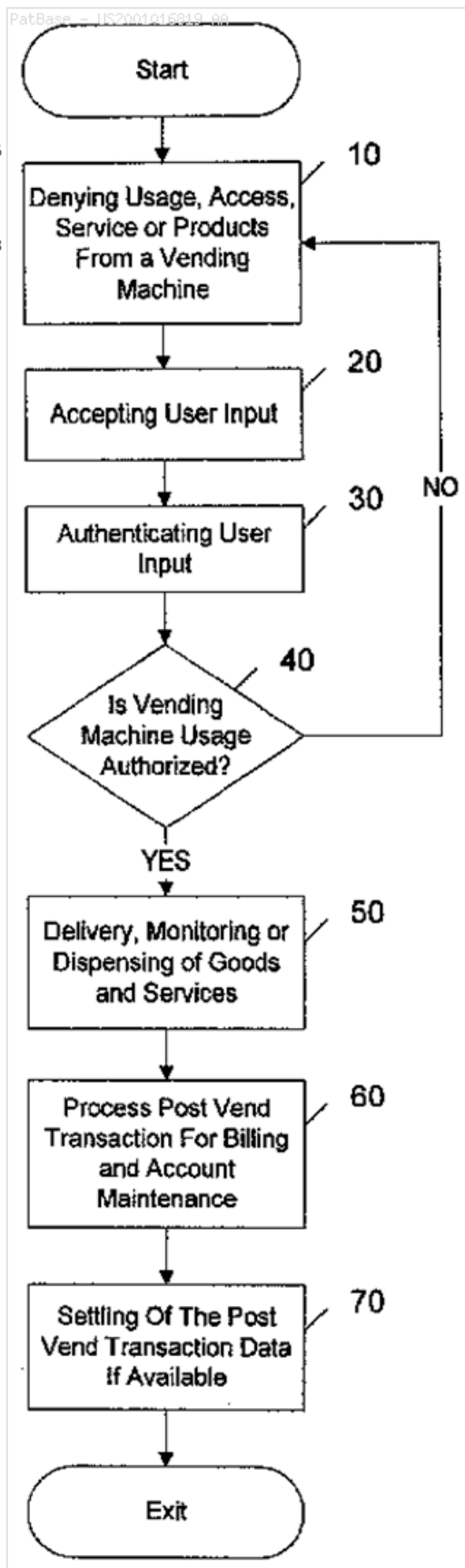
Title: DYNAMIC IDENTIFICATION INTERCHANGE METHOD FOR EXCHANGING ONE FORM OF IDENTIFICATION FOR ANOTHER

Abstract: The present invention relates to a public, private, or cellular phone with access to the Internet for the purposes of transacting e-mail, e-commerce, and e-business and for communicating voice and data. In addition the present invention relates to a universal advertising and payment system and method for networking, monitoring and effectuating e-mail, e-commerce, and e-business and controlling vending equipment and applications. The system can effectuate electronic commerce and interactive advertising at the point of sale in this instance at a public, private or cellular phone. Vending equipment includes copiers, phones (public, private, cellular), facsimile machines, printers, data-ports, laptop print stations, notebook computers, palmtop computers (PALM PILOT), microfiche devices, projectors, scanners, cameras, modems, communication access, personal data assistants (PDA's), pagers, and other vending machines, personal computers (PC), PC terminals (NET PC), and network computers (NC). Vending equipment can be networked to each other through a first network, programmable and accessible by a PC, server, point of sale (POS) system, property or management information system (PMS/MIS), and networked to a second network. The first network and second network can be the same network. Complete control of a vending machine's functionality including usage, control, diagnostics, inventory, and marketing data capture can be effectuated locally or by remote connection to the network. Remote connection to the network includes Internet type connections, telecommunication (telephone, ISDN, ADSL), VSAT satellite, and other wire and wireless transmission. The present invention allows a user to obtain authorization for use, pay for products and services, and configure the vending equipment with a smart card, or magnetic card (card). Magnetic cards include phone, smart card, credit card, debit card, pre-paid, automated teller machine (ATM) or other bank or private issued card. Users can also use a hotel room key/card or other insertion type-identifying device. Additionally, biometric identification such as handwriting, voice, finger, hand, or eye (iris scan) can be utilized to control the system.

Classifications:

International (IPC 8-9): G06F17/60 G06Q10/00 G06Q10/10
 G06Q20/00 G06Q20/10 G06Q20/20 G06Q20/32 G06Q20/40
 G06Q30/00 G06Q30/02 G06Q30/06 G07F5/18 (Advanced/Invention);
 G06Q10/00 G06Q20/00 G06Q30/00 G06Q40/00
 G07F5/00 (Core/Invention)
International (IPC 1-7): G06F17/60 G07F7/08 H04L12/16 H04M11/06
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CPC: G06Q30/0226 G06Q30/0609 G06Q30/0264 G06Q30/0607
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 G06Q30/0207 G06Q30/0222 G06Q30/0239 G06Q30/0253
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Family:

Publication number	Publication date	Application number	Application date
AU199937514 A1	20000214	AU19990037514	19990419
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Priority:

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Probable Assignee: USA TECHNOLOGIES INC

Assignee(s): (std): KOLLS H BROCK ; USA TECH INC ; USA TECHNOLOGIES INC

Assignee(s): AVIDBANK CORPORATE FINANCE A DIVISION OF AVIDBANK ; CANTALOUPE SYSTEMS INC
SUCCESSOR IN INTEREST TO USAT INC ; CORTLAND CAPITAL MARKET SERVICES LLC COLLATERAL
AGENT AS ; HERITAGE BANK OF COMMERCE ; JPMORGAN CHASE BANK NA

Inventor(s): (std): KOLLS H BROCK ; H BROCK KOLLS

Inventor(s): KOLLS H

Agent(s): RATNERPRESTIA

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR
GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV
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TT UA UG UZ VN YU ZA ZW

14) Family number: 75050964 (US2016189137A)

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Title: SYSTEMS AND METHODS FOR PROVIDING COMPENSATION, REBATE, CASHBACK, AND REWARD FOR USING MOBILE AND WEARABLE PAYMENT SERVICES, DIGITAL CURRENCY, NFC TOUCH PAYMENTS, MOBILE DIGITAL CARD BARCODE PAYMENTS, AND MULTIMEDIA HAPTIC CAPTURE BUYING

Abstract: Provided are methods and systems for providing compensation for using a mobile payment service. The method may commence with receiving payment information associated with a user. The method may include generating a unique code encoding the payment information and providing the generated unique code to the user. The method may continue with receiving a deposit amount associated with a purchase related to the user. The purchase may be made via the mobile payment service. The method may further include receiving a notification about a further purchase of the user via the mobile payment service. The notification may include at least the unique code and a product barcode. The product barcode may be associated with the further purchase. The method may further include providing a compensation from the deposit amount to the user. The compensation may be associated with a payment amount associated with the further purchase.

Classifications:

International (IPC 8-9): G06K19/06 G06K7/10 G06Q20/32

G06Q20/34 G06Q20/38 G06Q20/40 G06Q30/02

G06Q30/06 (Advanced/Invention)

CPC: G06Q20/3274 G06Q30/0234 G06Q20/385 G06Q20/3278

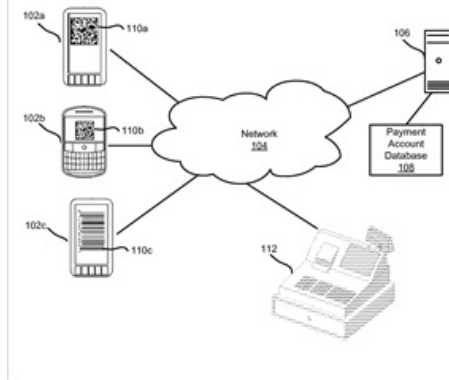
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G06Q20/3276 G06Q20/34 G06Q20/387 G06Q20/401 G06Q20/405

G06Q20/40145 G06Q30/0208 G06Q30/0222 G06Q30/0236

G06Q30/0239 G06Q30/0267 G06Q30/06 G06Q30/0601 G06Q30/0641

US: 1/1 705/14.34

**Family:**

Publication number	Publication date	Application number	Application date
US2016189137 AA	20160630	US20160061982	20160304
US9619794 BB	20170411	US20160061982	20160304

Priority:

US20020415546P	20021001	US20100749412	20100329	US20110185491	20110718
US20110287279	20111102	US20120343044	20120104	US20120620775	20120915
US20120623944	20120921	US20130760214	20130206	US20150815988	20150801
US20160061982	20160304				

Assignee(s): (std): ZHOU ANDREW H B ; ZHOU DYLAN T X ; ZHOU TIGER T G

Inventor(s): (std): ZHOU ANDREW H B ; ZHOU TIGER T G ; ZHOU DYLAN T X

Agent(s): WWWNIELSENPATENTSCOM; STEVEN A

15) Family number: 75050980 (US2017140366A)

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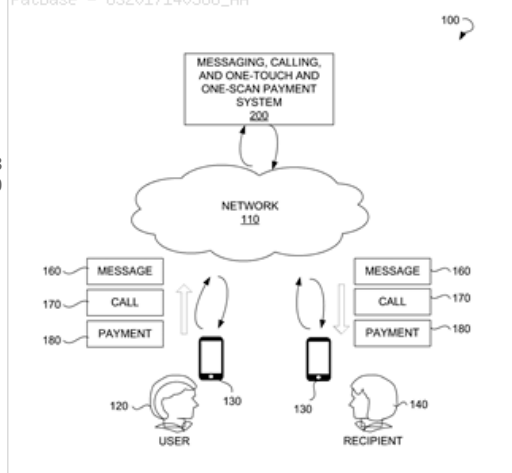
Title: ONE-SCAN AND ONE-TOUCH PAYMENT AND BUYING USING HAPTIC CONTROL VIA MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

Abstract: Provided are computer implemented methods and systems for messaging, calling, and one-touch and one-scan payments and buying via mobile and wearable devices. An exemplary system comprises a processor and a database in communication with the processor. The processor is configured to provide a haptic control associated with the system. The haptic control is shown on a display of a mobile and wearable device overlapping other visual elements. The haptic control provides mode selection elements associated with a payment, messaging, and calling modes. The processor receives a selection of the payment mode via the mode selection elements from a user. Upon the selection, context is extracted from the display. Based on the context, a payment transaction type which the user intends to perform is determined. The payment transaction type includes a payment receiving transaction and a payment sending transaction. Based on the determining, a transaction request is sent to a financial institution using the extraction.

Classifications:

International (IPC 8-9): G06F3/01 G06Q20/10 G06Q20/20 G06Q20/32 G06Q20/34 G06Q20/38 G06Q20/40 G06Q30/02 H04B1/3827 H04L12/58 H04M1/72 H04M1/725 H04M3/42 H04M7/00 (Advanced/Invention); H04L29/08 H04W4/00 (Advanced/Non-invention)
CPC: G06Q20/3255 G06F3/016 H04L51/046 H04M3/42382 H04M7/006 H04W4/008 G06Q20/40145 G06Q30/0226 H04B1/385 G06Q20/023 G06Q20/223 G06Q20/3274 G06Q20/3276 G06Q20/3278 G06Q30/0267 G06Q30/06 G06Q30/0601 G06Q30/0641 G06Q2220/00 H04L67/20 H04M1/72522 H04W4/02 H04W4/80
US: 1/1 705/39

PatBase - US2017140366_AA

**Family:**

Publication number	Publication date	Application number	Application date
US2017140366 AA	20170518	US20170420337	20170131
US9665865 BA	20170530	US20170420337	20170131

Priority:

US20020415546P	20021001	US20030677098	20030930	US20130760214	20130206
US20150815988	20150801	US20150957644	20151203	US20160343227	20161104
US20160345349	20161107	US20170420337	20170131		

Probable Assignee: AMOBILEPAY INC

Assignee(s): (std): AMOBILEPAY INC ; WORLD AWARD ACAD ; WORLD AWARD ACAD WORLD AWARD FOUND AMOBILEPAY INC ; WORLD AWARD FOUND

Assignee(s): WORLD AWARD ACADEMY WORLD AWARD FOUNDATION AMOBILEPAY INC ; WORLD AWARD ACADEMY ; WORLD AWARD FOUNDATION

Inventor(s): (std): XING ZHOU TIAN ; ZHOU ANDREW H B ; ZHOU TIGER T G ; ZHOU DYLAN T X ; XI MARY M Z
Agent(s): GEORGIY L

16) Family number: 75050968 (US2016275483A)

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Title: ONE GESTURE, ONE BLINK, AND ONE-TOUCH PAYMENT AND BUYING USING HAPTIC CONTROL VIA MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

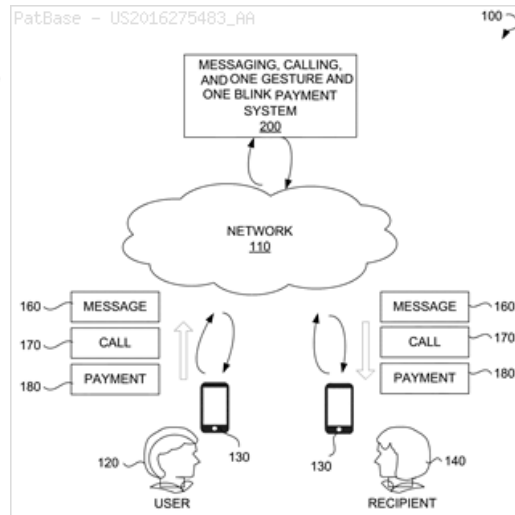
Abstract: Methods and systems for messaging, calling, and one blink, one-touch, and one gesture payments and buying via mobile and wearable devices are disclosed. An exemplary system comprises a database in communication with a processor, the processor configured to provide a haptic control associated with the system. The haptic control is shown on a display of a mobile and wearable device overlapping other visual elements. The haptic control provides mode selection elements associated with a payment, messaging, and calling modes. The processor receives a selection of the payment mode via the mode selection elements from a user. Upon the selection, context is extracted from the display. Based on the context, a payment transaction type which the user intends to perform is determined. The payment transaction type includes a payment receiving transaction and a payment sending transaction. Based on the determining, a transaction request is sent to a financial institution using the extraction

Classifications:

International (IPC 8-9): G06K19/06 G06K7/10 G06Q20/06 G06Q20/10 G06Q20/32 G06Q20/40 G06Q30/02 G06Q30/06 H04B1/3827 H04L29/08 H04L9/32 H04M1/725 H04W12/06 H04W4/00 H04W76/02 (Advanced/Invention)

CPC: G06Q20/3278 H04W4/008 H04B1/385 H04L9/3231 H04W12/06 H04W4/003 H04M1/72547 H04M1/72583 G06Q20/105 G06Q20/065 G06Q20/3276 G06Q20/4014 H04L67/10 H04W76/023 G06Q20/343 G06Q20/40145 H04W4/60 H04W4/80 H04W76/14 G06Q20/3274 G06Q30/0267 G06Q30/06 G06Q30/0601 G06Q30/0641 G06K7/1095 G06K19/06112 G06Q20/32 G06Q20/401

US: 1/1 705/27.1



Family:

Publication number	Publication date	Application number	Application date
US2016275483 AA	20160922	US20160169022	20160531
US9576285 BB	20170221	US20160169022	20160531

Priority:

US20020415546P 20021001	US20100749412 20100329	US20110185491 20110718
US20110287279 20111102	US20120343044 20120104	US20120620775 20120915
US20120623944 20120921	US20130760214 20130206	US20150815988 20150801
US20150979613 20151228	US20160169022 20160531	

Probable Assignee: ZHOU DYLAN T X

Assignee(s): (std): ZHOU DYLAN T X

Inventor(s): (std): ZHOU DYLAN T X

Agent(s): WWWNIELSENPATENTSCOM; STEVEN A

17) Family number: 75050955 (US2015088757A)

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Title: ONE-TOUCH PAYMENT USING HAPTIC CONTROL VIA A MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE DEVICE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

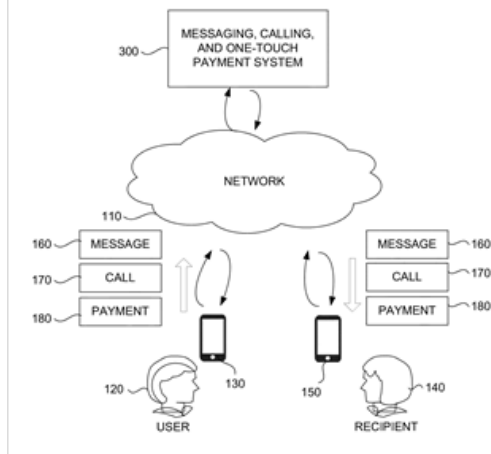
Abstract: Provided are computer implemented methods and systems for messaging, calling, and one-touch payments via mobile and wearable devices. An exemplary system comprises a processor and a database in communication with the processor. The processor is configured to provide an integrated interface for selection of an activity mode. The activity mode includes a messaging mode, a calling mode, and a one-touch payment mode. The processor is further configured to receive the selection of the activity mode via the integrated interface from a user. If the messaging mode is selected, a message from the user is received and sent to a recipient via a data network. If the calling mode is selected, a data network call is initiated on a call request of the user. If the one-touch payment mode is selected, a payment request is transmitted to a financial organization.

Classifications:

International (IPC 8-9): G06F17/00 G06F7/00 G06K15/00 G06K5/00 G06Q20/00 G06Q20/16 G06Q20/32 G06Q20/38 G06Q20/40 G06Q30/00 G06Q40/00 (Advanced/Invention); H04W88/06 (Advanced/Non-invention)

CPC: G06Q20/16 G06Q20/401 G06Q20/3227 G06F3/016 G06F2203/014 G06Q20/30 G06Q20/322 G06Q20/3255 G06Q20/3274 G06Q20/3278 G06Q20/36 G06Q20/3829 G06Q30/02 G06Q30/0209 G06Q30/0273 H04W88/06

US: 235/375 235/376 235/378 235/380 705/17 705/26.1 705/41 705/64 705/71 705/73 705/75

**Family:**

Publication number	Publication date	Application number	Application date
US2015088757 AA	20150326	US20140555628	20141127
US8985442 BA	20150324	US20140555628	20141127

Priority:

US20110185491 20110718	US20110287279 20111102	US20120620775 20120915
US20120623944 20120921	US20120646706 20121007	US20120661207 20121026
US20130753855 20130130	US20130760214 20130206	US20130776852 20130226
US20130799023 20130313	US20130875311 20130502	US20130973146 20130822
US20140154446 20140114	US20140165826 20140128	US20140198683 20140306
US20140272939 20140508	US20140334992 20140718	US20140458791 20140813
US20140509027 20141007	US20140537867 20141110	US20140555628 20141127

Assignee(s): (std): ZHOU ANDREW H B ; ZHOU DYLAN T X ; ZHOU TIGER T G

Inventor(s): (std): ZHOU ANDREW H B ; ZHOU TIGER T G ; ZHOU DYLAN T X

Agent(s): PATENT JURIST; GEORGIY L

18) Family number: 75050961 (US2016110695A)

© PatBase

Title: ONE-SCAN AND ONE-TOUCH PAYMENT AND BUYING USING HAPTIC CONTROL VIA MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

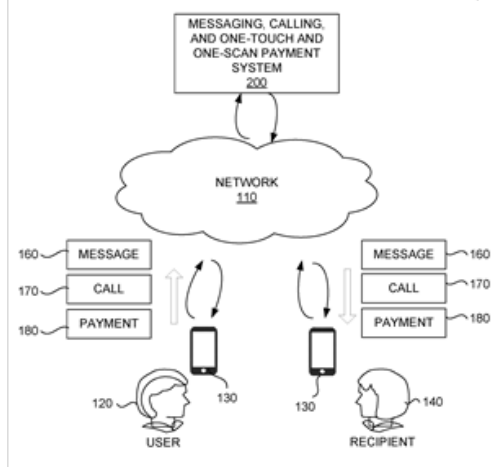
Abstract: Provided are computer implemented methods and systems for messaging, calling, and one-touch and one-scan payments and buying via mobile and wearable devices. An exemplary system comprises a processor and a database in communication with the processor. The processor is configured to provide a haptic control associated with the system. The haptic control is shown on a display of a mobile and wearable device overlapping other visual elements. The haptic control provides mode selection elements associated with a payment, messaging, and calling modes. The processor receives a selection of the payment mode via the mode selection elements from a user. Upon the selection, context is extracted from the display. Based on the context, a payment transaction type which the user intends to perform is determined. The payment transaction type includes a payment receiving transaction and a payment sending transaction. Based on the determining, a transaction request is sent to a financial institution using the extraction.

Classifications:

International (IPC 8-9): G06Q20/06 G06Q20/10 G06Q20/32 G06Q20/34 G06Q20/38 G06Q20/40 G06Q30/06 (Advanced/Invention)

CPC: G06Q20/105 G06Q20/065 G06Q20/3276 G06Q30/0641 G06Q20/4014 G06Q2220/00 G06Q20/32 G06Q20/367 G06Q20/38 G06Q20/40 G06Q20/12 G06Q20/3274 G06Q20/3278 G06Q20/382 G06Q20/40145 G06Q20/322 G06Q20/356 G06Q20/388

US: 1/1 705/27.1 705/75

**Family:**

Publication number	Publication date	Application number	Application date
US2016110695 AA	20160421	US20150979613	20151228
US9361616 BB	20160607	US20150979613	20151228

Priority:

US20020415546P 20021001	US20030677098 20030930	US20100749412 20100329
US20110185491 20110718	US20110287279 20111102	US20120620775 20120915

US20120646706	20121007	US20120661207	20121026	US20130760214	20130206
US20130875311	20130502	US20130973146	20130822	US20130034509	20130923
US20140165826	20140128	US20140458791	20140813	US20150695256	20150424
US20150815988	20150801	US20150979613	20151228		

Assignee(s): (std): ZHOU ANDREW H B ; ZHOU DYLAN T X ; ZHOU TIGER T G
Inventor(s): (std): ZHOU DYLAN T X ; ZHOU TIGER T G ; ZHOU ANDREW H B
Agent(s): GEORGIY L

19) Family number: 23694086 (US2008091601A)

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Title: CARD READING ARRANGEMENT INCLUDING ROBOTIC CARD HANDLING RESPONSIVE TO CARD SENSING

Abstract: A card reader arrangement includes a robotic card handling device to enable reading of a user card during a card-based transaction. A card sensing device is located adjacent a card slot remotely located from a card reader. Responsive to the card sensing device sensing an inserted card, the robotic card handling device operates to grip the card in the slot and move it to a reading position in the card reader. The card reader can also operate in conjunction with a biometric reading device in a process of determining whether the card user is authorized to use the card. The robotic card handling device can also be operated to grip other transaction items.

Classifications:

International (IPC 8-9): G06F17/00 G06F17/60 G06Q40/00

G07F19/00 (Advanced/Invention);

G06Q40/00 G07F19/00 (Core/Invention)

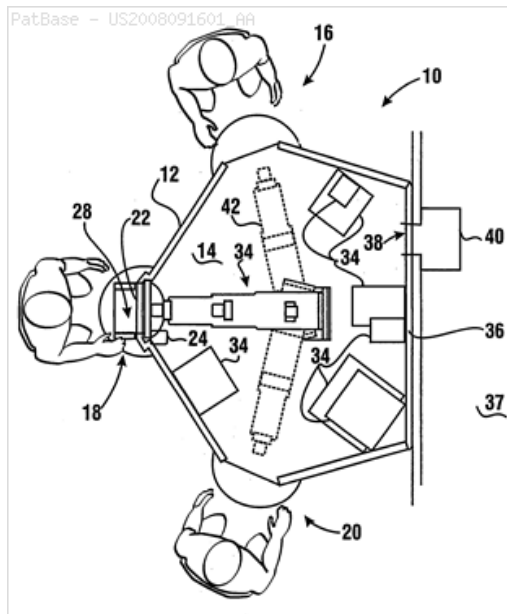
International (IPC 1-7): G06F17/60

CPC: G07F19/20 G06Q20/1085 G06Q40/00 G07F11/165 G07F19/205 G07F19/206

European: G06Q20/1085 G06Q40/00 G07F11/16B G07F19/00F

G07F19/20 G07F19/205 G07F19/206

US: 235/375 235/379 235/379S 235/380 235/380S 235/381 235/384 705/35 705/43 705/43P 902/30 902/8



Family:

Publication number	Publication date	Application number	Application date
US2008091601 AA	20080417	US20070998941	20071203
US6443359 BA	20020903	US20000725650	20001129
US6666374 BA	20031223	US20020230919	20020829
US6726096 BA	20040427	US20020230902	20020829
US6783064 BA	20040831	US20020230581	20020829
US6880749 BA	20050419	US20020230924	20020829
US6997375 BA	20060214	US20020231215	20020829
US7100819 BA	20060905	US20020231212	20020829
US7195153 BA	20070327	US20060514527	20060901
US7392936 BA	20080701	US20070704500	20070209
US7392937 BA	20080701	US20070704506	20070209
US7438222 BB	20081021	US20070998941	20071203

Priority:

US19990168882P	19991203	US20000725650	20001129	US20020230919	20020829
US20020230902	20020829	US20020230581	20020829	US20020230924	20020829
US20020231215	20020829	US20020231212	20020829	US20060514527	20060901
US20070704506	20070209	US20070704500	20070209	US20070998941	20071203

Probable Assignee: DIEBOLD NIXDORF INC

Assignee(s): (std): DIEBOLD INC ; DIEBOLD SELF SERVICE SYS

Assignee(s): DIEBOLD SELF SERVICE SYSTEMS DIVISION OF DIEBOLD INC ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; DIEBOLD NIXDORF INC

Inventor(s): (std): GREEN PATRICK C ; SMITH MARK ; RAMACHANDRAN NATARAJAN ; DELANEY DANIEL J ; BARKER DAVID A ; THERIAULT FRANKLIN M ; HERRERA ELIZABETH ; HILL JEFFREY A ; DOUGLASS MARK ; DOUGLAS MARK

Inventor(s): GREEN PATRICK ; HILL JEFFREY ; DELANEY DANIEL ; BARKER DAVID ; THERIAULT FRANKLIN

Agent(s): RALPH E JOCKE WALKER AND JOCKE LPA; WALKER AND JOCKE; JOCKE RALPH E; WASIL DANIEL D; RALPH E; DANIEL D

20) Family number: 34608915 (US2007145121A)

© PatBase

Title: AUTHENTICATION SYSTEM FOR THE AUTHORIZATION OF A TRANSACTION USING A CREDIT CARD, ATM CARD, OR SECURED PERSONAL ID CARD

Abstract: An authentication system for the authorization of a transaction card, such as a credit card, an ATM card or a secured personal ID card by a user. The authentication system includes a writer authenticator input unit for inputting and encrypting of personal authentication data and information of a user to the transaction card for security purposes. The transaction card is defined to be a credit card, an ATM card or a secured personal ID card. The authentication system further includes a cardholder input unit for the user to insert the transaction card of the user, and a vendor unit for use by a vendor for verifying the personal authentication data information of the user when using the transaction card for completing a transaction. Additionally, the authentication system includes the computer system for inputting encrypted personal data and medical information to the transaction card by the user.

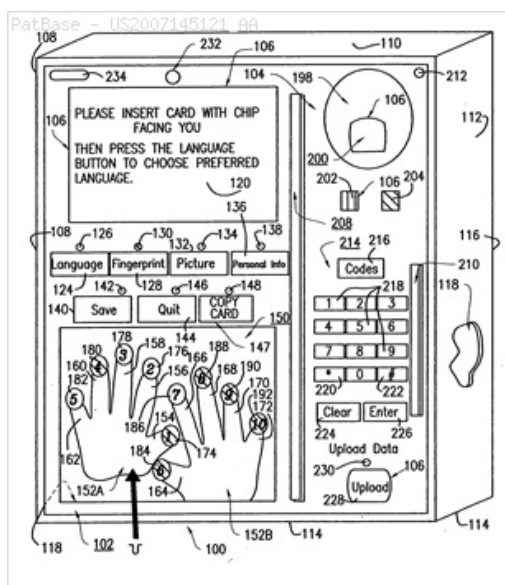
Classifications:

International (IPC 8-9): G06K5/00 (Advanced/Invention);
G06K5/00 (Core/Invention)

CPC: G06Q20/341 G06Q20/40145 G07F7/0833 G07F7/0886
G07F7/1008

European: G06Q20/341 G06Q20/40145 G07F7/08A4 G07F7/08G2P
G07F7/10D

US: 235/380 235/380P



Family:

Publication number	Publication date	Application number	Application date
US2007145121 AA	20070628	US20060398211	20060404
WO07078320 A2	20070712	WO2006US19253	20060518
WO07078320 A3	20090618	WO2006US19253	20060518

Priority:

US20050753231P 20051223 US20050754732P 20051229 US20060398211 20060404

Probable Assignee: DALLAL MENASHE FOUAD

Assignee(s): (std): DALLAL MENASHE FOUAD ; MENASHE FOUAD DALLAL

Inventor(s): (std): LI ALICE C ; DALLAL DAVID N ; DALLAL MENASHE F ; DALLAL MENASHE FOUAD ; DALLAL DAVID NAIM ; CHUAN LI ALICE

Inventor(s): LI ALICE ; DALLAL MENASHE ; DALLAL DAVID ; DALLAL MENASHE FOUAD ; LI ALICE CHUAN

Agent(s): EZRA SUTTON PA PLAZA 9 BUILDING

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

21) Family number: 75050907 (WO17208110A1)

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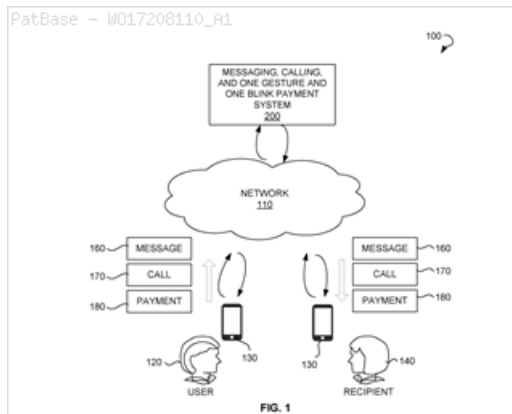
Title: ONE GESTURE, ONE BLINK, AND ONE-TOUCH PAYMENT AND BUYING USING HAPTIC CONTROL VIA MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

Abstract: Methods and systems for messaging, calling, and one blink, one-touch, and one gesture payments and buying via mobile and wearable devices are disclosed. An exemplary system comprises a database in communication with a processor, the processor configured to provide a haptic control associated with the system. The haptic control is shown on a display of a mobile and wearable device overlapping other visual elements. The haptic control provides mode selection elements associated with a payment, messaging, and calling modes. The processor receives a selection of the payment mode via the mode selection elements from a user. Upon the selection, context is extracted from the display. Based on the context, a payment transaction type which the user intends to perform is determined. The payment transaction type includes a payment receiving transaction and a payment sending transaction. Based on the determining, a transaction request is sent to a financial institution using the extraction.

Classifications:

International (IPC 8-9): G06Q20/32 (Advanced/Invention)

CPC: G06Q20/32 G06Q20/3274 G06Q20/3278



Family:

Publication number	Publication date	Application number	Application date
WO17208110 A1	20171207	WO20171B53023	20170523

Priority:

US20160169022 20160531

Probable Assignee: ZHOU TIGER

Assignee(s): (std): DYLAN ZHOU ; ZHOU TIGER

Inventor(s): (std): DYLAN ZHOU

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

22) Family number: 50141144 (US2011309142A)

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Title: PAYMENT CARD READER APPARATUS AND METHOD OF OPERATING A PAYMENT CARD READER APPARATUS

Abstract: A payment card reader apparatus is provided for enabling a retail customer purchasing goods or services from a retail establishment to make payment for purchased goods or services. A housing enclosure has a front panel which faces toward the retail customer and an interior chamber located behind the front panel. A payment card reader portion is disposed in the interior chamber and is provided for receiving a payment card from the retail customer. A customer input pad portion is disposed in the interior chamber and is provided for (i) receiving input data from the retail customer after the payment card reader portion has received a payment card from the retail customer, and (ii) providing a trigger signal in response to receiving input data from the retail customer. An actuatable camera portion is disposed in the interior chamber and is provided for, when actuated in response to the trigger signal, capturing an image of the retail customer while the retail customer is providing input data to the customer input pad portion.

Classifications:

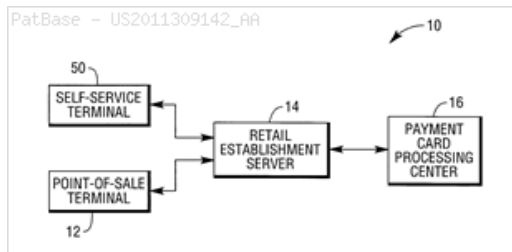
International (IPC 8-9): G06K7/00 G06Q30/00

G06Q40/00 (Advanced/Invention)

CPC: G06Q20/204 G07F7/088 G07G1/0054

European: G06Q20/204 G07F7/08G2 G07G1/00C2D

US: 235/380 235/380P



Family:

Publication number	Publication date	Application number	Application date
US2011309142 AA	20111222	US20100817450	20100617

Priority:

US20100817450 20100617

Probable Assignee: NCR CORP

Assignee(s): (std): MILLER HENRY THOMAS ; NCR CORP

Assignee(s): JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): MILLER HENRY THOMAS

23) Family number: 62554217 (US2016162883A)

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Title: METHODS AND APPARATUS FOR CONDUCTING SECURE MAGNETIC STRIPE CARD TRANSACTIONS WITH A PROXIMITY PAYMENT DEVICE

Abstract: Methods and apparatus for enabling a proximity payment device to generate dynamic data for securely conducting a transaction by emulating a magnetic stripe payment card. In an embodiment, a mobile device processor transmits information to a digital enablement service computer to activate a simulated magnetic stripe payment wallet application stored in the mobile device. The mobile device then receives one or more cryptographic keys, generates an unpredictable number (UN), generates dynamic CVC3 data based on the UN, and then assembles emulated magnetic stripe data. During initiation of a purchase transaction, the mobile device processor transmits the emulated magnetic stripe data to a communications interface associated with a merchant device.

Classifications:**International (IPC 8-9):** B60R21/20 B60R21/213 F16B2/24F16B21/08 F16B5/06 G06K19/06 G06K7/08 G06Q G06Q20/32
G06Q20/34 G06Q20/36 G06Q20/38 G06Q20/40 (Advanced/Invention)**CPC:** G06K7/084 G06K19/06206 G06Q20/204 G06Q20/3227

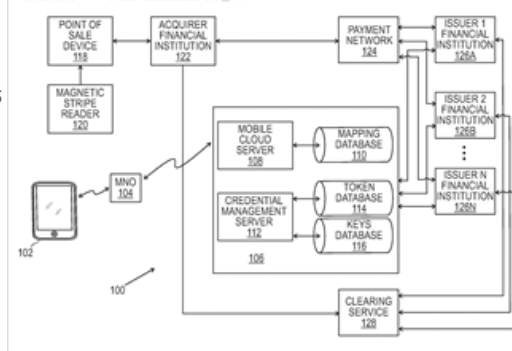
G06Q20/3278 G06Q20/347 G06Q20/353 G06Q20/363 G06Q20/38215

G06Q20/4018 G06Q2220/00 G06Q20/322 G06Q20/3572 B60R21/213

F16B2/243 F16B21/086 B60R21/20 F16B2/241 F16B5/0621

US: 705/71

PatBase - US2016162883_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2015358442 AA	20170629	AU20150358442	20151203
AU2015358442 BB	20180517	AU20150358442	20151203
CN107407307 A	20171128	CN201580072634	20151203
CN107407307 B	20200221	CN201580072634	20151203
DE602015020592 D1	20181220	DE201560020592T	20151203
EP3227845 A1	20171011	EP20150865573	20151203
EP3227845 A4	20180718	EP20150865573	20151203
EP3245410 A1	20171122	EP20150808856	20151203
EP3245410 B1	20181128	EP20150808856	20151203
ES2577656 BA	20170613	ES20150000044	20150116
ES2577656 R1	20160905	ES20150000044	20150116
HK1244339 A1	20180803	HK20180103721	20180316
IN201717020796 A	20171124	IN201717020796	20170614
MX2017007192 A1	20180130	MX20170007192	20151203
SG11201704541T A1	20170728	SG20171104541	20151203
TW201629865 A	20160816	TW20150140812	20151204
TWI667624 B	20190801	TW20150140812	20151204
US2016162883 AA	20160609	US20150959646	20151204
WO16090140 A1	20160609	WO2015US63735	20151203
WO16114856 A1	20160721	WO2015US63737	20151203

Priority:

US20140087441P 20141204	ES20150000044 20150116	EP20150808856 20151203
WO2015US63737 20151203	WO2015US63735 20151203	US20150959646 20151204

Probable Assignee: MASTERCARD INT INC**Assignee(s):** (std): ILLINOIS TOOL WORKS ; MASTERCARD INT INC**Assignee(s):** ILLINOIS TOOL WORKS INC ; ILLINOIS TOOL WORKS INC GLENVIEW**Inventor(s):** (std): ORTEGA DONA RAUL ; MARTIN MARINO IVAN ; DAVID ANTHONY ROBERTS ; AXEL CATELAND ; MAURICE DAVID LISCIA ; NGASSAM NGNOUMEN ; ROBERTS DAVID A ; CATELAND ALEX ; ROBERTS DAVID ANTHONY ; LISCIA MAURICE DAVID ; CATELAND AXEL ; NGNOUMEN NGASSAM**Inventor(s):** RAUL ORTEGA DONA ; IVAN MARTIN MARINO**Agent(s):** SPRUSON AND FERGUSON; GILL JENNINGS AND EVERY LLP; HERRERO AND ASOCIADOS SL; CARPINTERO MARIO; CANELA MARIA TERESA; VIVIEN CHAN AND CO; FILIPEK STEPHAN J; HAUPTMAN BENJAMIN J**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**24) Family number: 32559610 (US2002030318A)**

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Title: APPARATUS FOR ENGRAVING IMAGES AND ITS ADAPTOR**Abstract:** An apparatus for engraving images on a passport, credit card, identification card, or the like, and its adaptor for use in the apparatus, the apparatus comprising a personal computer, a controller, a vibration-preventing unit, an X axis pulse motor driver, a Y axis pulse motor driver, an X axis pulse motor, a tilt motor driver, a Z axis head motor having a minute DeltaY axis driver, a stylus and a vacuum pump whereby photographs of faces, addresses, names, autographs, the images for engraving information identifying one's identity, the images from a digital camera, scanner or other information taken from a computer through a network can be automatically and correctly engraved on identification cards such as passports, drivers' licenses, employee certificates or credit cards.**Classifications:****International (IPC 8-9):** B29C59/02 B23Q11/00 B25B11/00

B41C1/02 B42D15/10 B44B1/00 B44B1/06 B44B3/00 B44B3/02

B44B3/06 B44B5/00 B44B5/02 G05B15/00 G06F3/00 G06K15/00

G06Q40/00 G06T11/00 H04N1/23 (Advanced/Invention);

B44B5/00 (Advanced/Non-invention);

B23Q11/00 B25B11/00 B29C59/02 B41C1/02 B42D15/10 B44B1/00

B44B3/00 B44B5/00 G05B15/00 G06F3/00 G06K15/00 G06T11/00

H04N1/23 (Core/Invention)

International (IPC 1-7): B23Q11/00 B41C1/02 B41C1/2 B42D15/10

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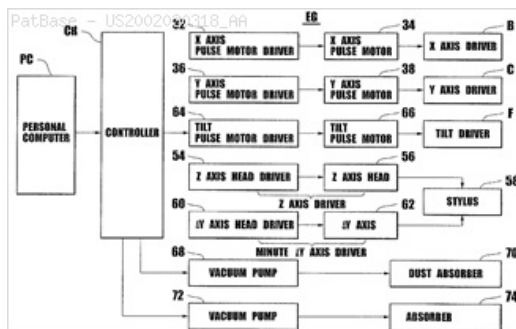
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G06T11/00 H04N1/23

CPC: G06Q30/02 G06Q40/025 G06Q40/04 B25B11/005 B44B3/009

B44B3/02 B44B3/065 Y10T409/301344 Y10T409/302408
European: B25B11/00C B44B3/00Z B44B3/02 B44B3/06D
G06Q30/02 G06Q40/025 G06Q40/04
US: 271/3.17 33/13 33/18.1 33/18.2 409/107 409/88 705/37 705/38



Family:

Publication number	Publication date	Application number	Application date
CA2357228 AA	20020312	CA20012357228	20010912
CA2357228 C	20100817	CA20012357228	20010912
CN100491138 C	20090527	CN20011038577	20010911
CN1367091 A	20020904	CN20011038577	20010911
DE60135075 D1	20080911	DE20016035075	20010912
DE60138317 D1	20090520	DE20016038317	20010912
EP1195268 A2	20020410	EP20010307784	20010912
EP1195268 A3	20020731	EP20010307784	20010912
EP1195268 B1	20080730	EP20010307784	20010912
EP1195268 B9	20090708	EP20010307784	20010912
EP1616717 A2	20060118	EP20050018221	20010912
EP1616717 A3	20070905	EP20050018221	20010912
EP1616717 B1	20090408	EP20050018221	20010912
JP2002086993 A2	20020326	JP20000318605	20000912
JP4498580 B2	20100707	JP20000318605	20000912
KR20020021063 A	20020318	KR20010056172	20010912
KR20070088437 A	20070829	KR20070084097	20070821
TWI276553 B	20070321	TW20010122470	20010911
US2002030318 AA	20020314	US20010950078	20010912
US2005005460 AA	20050113	US20040900330	20040728
US6976315 BB	20051220	US20040900330	20040728
US7437324 BA	20081014	US20010950178	20010910

Priority:

JP20000318605 20000912 US20010950178 20010910 CA20012357228 20010912
EP20010307784 20010912 US20040900330 20040728

Probable Assignee: SEMCO INT LTD

Assignee(s): (std): JAPAN ESCOM CORP ; CHUO FACTORING KK ; HOSHIYAMA YUICHI ; YSKANG CO LTD ; SEMCO CORP ; NCR CORP

Assignee(s): SEMCO INT LTD ; YSKANG CO ; IS CORP ; JPMORGAN CHASE BANK NA ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): HOSHIYAMA YUICHI ; HOSHIYAMA ; GOODWIN III JOHN C ; SCHLIEKER ROBERT RANDALL ; YUICHI HOSHIYAMA

Inventor(s): HOSHIYAMA YUICHI ROOM 802 2

Agent(s): OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; POWER PHILIPPA LOUISE; POWER PHILIPPA LOUISE ET AL; WENDEROTH LIND AND PONACK LLP; WENDEROTH LIND AND PONACK L L P; PRIEST AND GOLDSTEIN PLLC; MARTIN PAUL W; PAUL W

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

25) Family number: 75050898 (WO16083906A1)

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Title: ONE-TOUCH PAYMENT USING HAPTIC CONTROL VIA A MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE DEVICE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

Abstract: Provided are computer implemented methods and systems for messaging, calling, and one-touch payments via mobile and wearable devices. An exemplary system comprises a processor and a database in communication with the processor. The processor is configured to provide an integrated interface for selection of an activity mode. The activity mode includes a messaging mode, a calling mode, and a one-touch payment mode. The processor is further configured to receive the selection of the activity mode via the integrated interface from a user. If the messaging mode is selected, a message from the user is received and sent to a recipient via a data network. If the calling mode is selected, a data network call is initiated on a call request of the user. If the one-touch payment mode is selected, a payment request is transmitted to a financial organization.

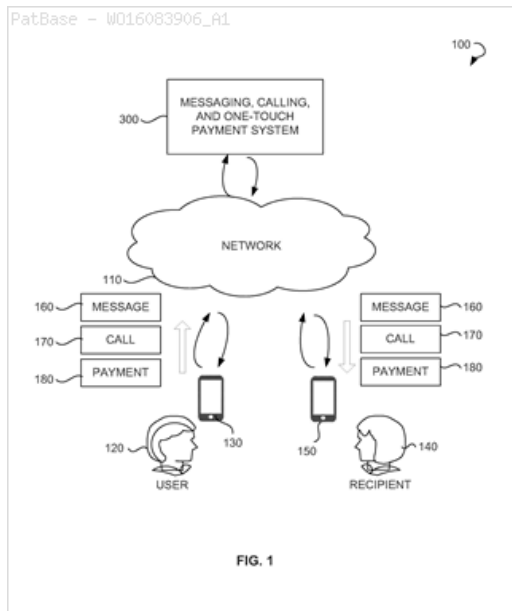
Classifications:

International (IPC 8-9): G06Q20/26 G06Q20/32 (Advanced/Invention)

CPC: G06F3/016 G06F2203/014 G06Q20/30 G06Q20/322

G06Q20/3255 G06Q20/3274 G06Q20/3278 G06Q20/36 G06Q20/3829

G06Q30/02 G06Q30/0209 G06Q30/0273 H04W88/06

**Family:**

Publication number	Publication date	Application number	Application date
CN107851247 A	20180327	CN201580074650	20150531
WO16083906 A1	20160602	WO20151B54130	20150531

Priority:

US20140555628 20141127 WO20151B54130 20150531

Probable Assignee: ZHOU ANDREW

Assignee(s): (std): ZHOU ANDREW ; ZHOU DYLAN ; ZHOU TIGER

Inventor(s): (std): ZHOU ANDREW ; ZHOU DYLAN ; ZHOU TIGER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

26) Family number: 58402943 (WO16059486A1)

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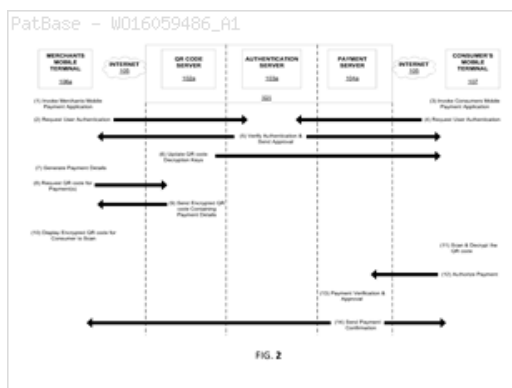
Title: SYSTEM AND METHOD FOR SMART DEVICE, POINT OF SALE DEVICE, SMART CARD AND WEBSITE PAYMENTS USING ENCRYPTED QR CODE

Abstract: Consumers and merchants will now be able to perform daily transaction(s) easily following the present method and system for smart device, point of sale (POS) device, smart card and website payment(s) using encrypted QR code. The payment methods presented herein eliminates and provides alternate solution to the current "insecure" methods used in performing business transaction(s). The present invention intends to revolutionize business transaction processes by giving consumer(s) the power to authorize payments to merchant(s).

Classifications:

International (IPC 8-9): G06Q20/20 G06Q20/32 G06Q20/34 G06Q20/38 (Advanced/Invention)

CPC: G06Q20/3274 G06Q20/3276 G06Q20/382

**Family:**

Publication number	Publication date	Application number	Application date
AP201408021 A0	20141031	AP20140008021	20141017
WO16059486 A1	20160421	WO20151B56804	20150906

Priority:

AP20140008021 20141017

Probable Assignee: KAPAYA JUMA

Assignee(s): (std): KAPAYA JUMA ; KAPAYA JUMA HAMIS

Inventor(s): (std): KAPAYA JUMA ; KAPAYA JUMA HAMIS

Designated states: AE AL AM AO AT AZ BE BF BG BH BJ BN BY BZ CF CG CH CI CL CM CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GH GM GN GQ GR GT GW HN HR HU ID IE IR IS IT KE KG KM KZ LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MY MZ NA NE NG NL NO OM PA PE PG PH PL PT QA RO RS RU

27) Family number: 75050949 (US2014239065A)

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Title: WEARABLE PERSONAL DIGITAL DEVICE WITH CHANGEABLE BENDABLE BATTERY AND EXPANDABLE DISPLAY USED AS STANDALONE ELECTRONIC PAYMENT CARD

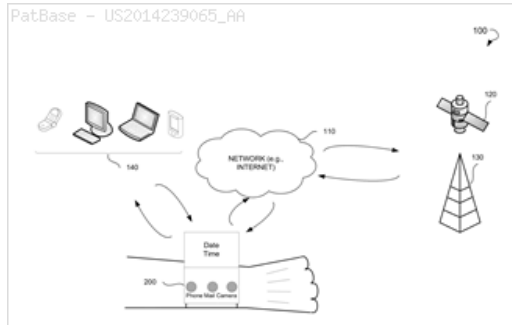
Abstract: Provided is a wearable personal digital device and methods for enlarging display space using the wearable personal digital device. The wearable personal digital device may comprise a processor, a memory unit, an expandable display, a camera, a projector, a communication circuit, a swipe card reader, one or more biometric sensors, one or more accelerometers, a housing, and a band. The expandable display is be communicatively coupled to the processor and configured to expand to enlarge display space using a flip up portion, detachable portion, or bending the expandable display. The band may include one or more rechargeable batteries configured to power the wearable personal digital device. Biometric sensors and accelerometers provide data for monitoring health and activity of the user. The swipe card reader is configured to read payment card data.

Classifications:

International (IPC 8-9): G06K5/00 G06K7/00 G06K7/08 G06Q20/34 H04B7/00 (Advanced/Invention)

CPC: G06F1/163 G06F1/1677 G06Q20/3274 G06Q20/36 G06Q20/40145 G06Q20/34 H04B1/385 H04B2001/3866

US: 235/380 235/439 235/449 235/451 345/156 455/41.3 455/66.1

**Family:**

Publication number	Publication date	Application number	Application date
US2014239065 AA	20140828	US20140272939	20140508
US8851372 BB	20141007	US20140272939	20140508

Priority:

US20110185491 20110718	US20110287279 20111102	US20120620775 20120915
US20120646706 20121007	US20120661207 20121026	US20130760214 20130206
US20130776852 20130226	US20130875311 20130502	US20130973146 20130822
US20140272939 20140508		

Assignee(s): (std): ZHOU ANDREW H B ; ZHOU DYLAN T X ; ZHOU TIGER T G

Inventor(s): (std): ZHOU DYLAN T X ; ZHOU TIGER T G ; ZHOU ANDREW H B

Agent(s): PATENT JURIST; GEORGIY L

28) Family number: 75050916 (WO18142248A1)

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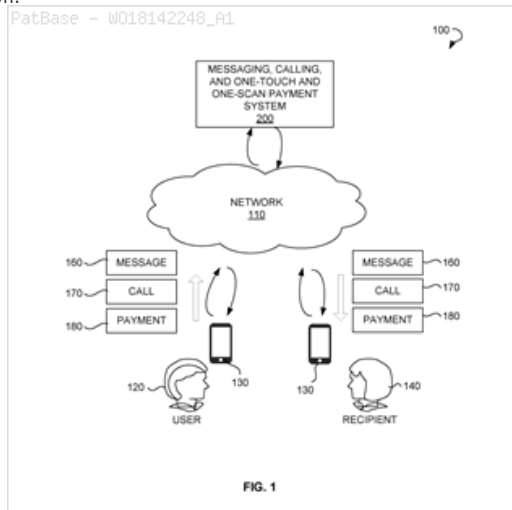
Title: ONE-SCAN AND ONE-TOUCH PAYMENT AND BUYING USING HAPTIC CONTROL VIA MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

Abstract: Provided are computer implemented methods and systems for messaging, calling, and one-touch and one-scan payments and buying via mobile and wearable devices. An exemplary system comprises a processor and a database in communication with the processor. The processor is configured to provide a haptic control associated with the system. The haptic control is shown on a display of a mobile and wearable device overlapping other visual elements. The haptic control provides mode selection elements associated with a payment, messaging, and calling modes. The processor receives a selection of the payment mode via the mode selection elements from a user. Upon the selection, context is extracted from the display. Based on the context, a payment transaction type which the user intends to perform is determined. The payment transaction type includes a payment receiving transaction and a payment sending transaction. Based on the determining, a transaction request is sent to a financial institution using the extraction.

Classifications:

International (IPC 8-9): G06Q20/10 G06Q20/40 (Advanced/Invention)

CPC: G06Q20/32 G06Q20/3226 G06Q20/3276 G06Q20/3278 G06Q20/40 G06Q20/40145

**Family:**

Publication number	Publication date	Application number	Application date
WO18142248 A1	20180809	WO20181B50468	20180125

Priority:

US20170420337 20170131

Probable Assignee: ZHOU ANDREW HAI BIN

Assignee(s): (std): ZHOU ANDREW HAI BIN ; ZHOU TIAN XING ; ZHOU TIGER TIAN GE

Inventor(s): (std): ZHOU TIGER TIAN GE ; ZHOU ANDREW HAI BIN ; ZHOU TIAN XING

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

29) Family number: 75050904 (WO17115198A1)

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Title: ONE-SCAN AND ONE-TOUCH PAYMENT AND BUYING USING HAPTIC CONTROL VIA MESSAGING AND CALLING MULTIMEDIA SYSTEM ON MOBILE AND WEARABLE DEVICE, CURRENCY TOKEN INTERFACE, POINT OF SALE DEVICE, AND ELECTRONIC PAYMENT CARD

Abstract: Provided are computer implemented methods and systems for messaging, calling, and one-touch and one-scan payments and buying via mobile and wearable devices. An exemplary system comprises a processor and a database in communication with the processor. The processor is configured to provide a haptic control associated with the system. The haptic control is shown on a display of a mobile and wearable device overlapping other visual elements. The haptic control provides mode selection elements associated with a payment, messaging, and calling modes. The processor receives a selection of the payment mode via the mode selection elements from a user. Upon the selection, context is extracted from the display. Based on the context, a payment transaction type which the user intends to perform is determined. The payment transaction type includes a payment receiving transaction and a payment sending transaction. Based on the determining, a transaction request is sent to a financial institution using the extraction.

Classifications:

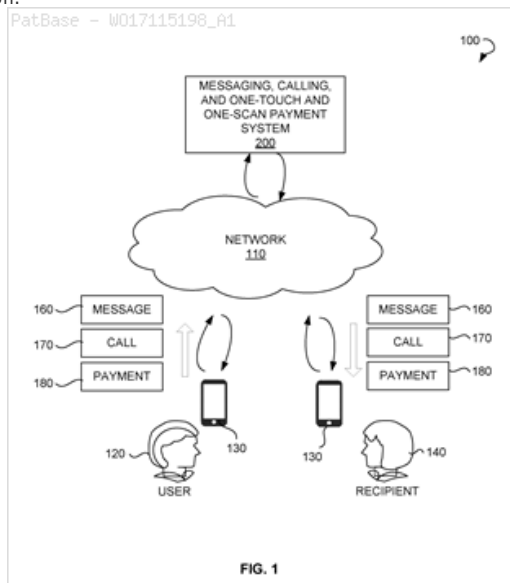
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G06Q20/12 G06Q20/40 (Advanced/Non-invention)

CPC: G06Q20/12 G06Q20/32 G06Q20/3274 G06Q20/3278

G06Q20/367 G06Q20/38 G06Q20/382 G06Q20/40 G06Q20/40145

G06Q20/322 G06Q20/356 G06Q20/388



Family:

Publication number	Publication date	Application number	Application date
WO17115198 A1	20170706	WO20161B57597	20161214

Priority:

US20150979613 20151228

Probable Assignee: ZHOU ANDREW

Assignee(s): (std): ZHOU ANDREW ; ZHOU DYLAN ; ZHOU TIGER

Inventor(s): (std): ZHOU ANDREW ; ZHOU DYLAN ; ZHOU TIGER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

30) Family number: 33992985 (US2006278697A)

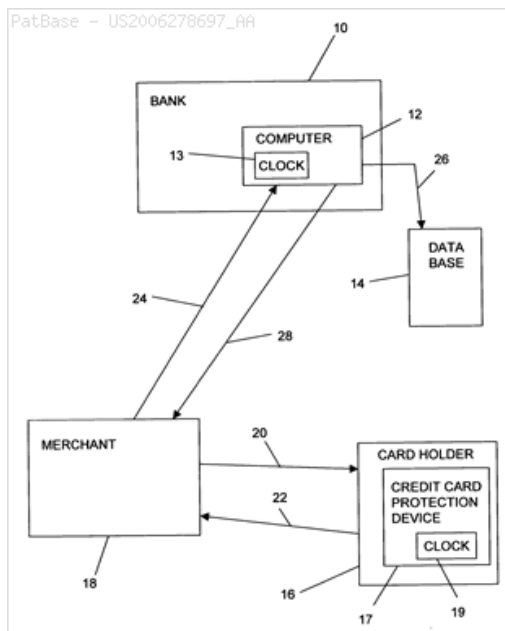
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Title: SYSTEM, METHOD AND PROGRAM PRODUCT FOR CREDIT CARD TRANSACTION VALIDATION

Abstract: A personal card and method of transaction validation for the protection of credit card use in malls, restaurants, telephone and Internet orders and use of ATM. The card generates a coded validation number based on a time code, a cardholder's PIN, and the amount of purchase in accordance with a unique code process for that particular personal card. The coded validation number is different for each transaction to prevent fraudulent use of the validation number. The cardholder provides the merchant the coded validation number in place of the usual static three or four digit verification number now in use. The merchant reports the transaction using normal reporting equipment and processes. The bank then validates the transaction by duplicating the time code and using the known PIN to determine the transaction amount. A method is disclosed to generate a time code by periodically rotating the columns and rows of a two dimensional matrix.

Classifications:

International (IPC 8-9): G06K5/00 G06Q40/00
G06Q99/00 (Advanced/Invention);
G06K5/00 G06Q40/00 G06Q99/00 (Core/Invention)
CPC: G06Q20/3276 G06Q20/24 G06Q20/367 G06Q20/385
G06Q20/40
European: G06Q20/24 G06Q20/3276 G06Q20/367 G06Q20/385
G06Q20/40
US: 235/380 235/380P 235/382 235/382.5 235/383 235/454
235/462.14 705/44 705/44S 705/65 705/65S



Family:

Publication number	Publication date	Application number	Application date
US2006278697 AA	20061214	US20060445553	20060602
US2006278698 AA	20061214	US20060484081	20060711
US2008210754 AA	20080904	US20080077872	20080322
US7347361 BB	20080325	US20060484081	20060711
US7543741 BB	20090609	US20060445553	20060602
US7810720 BB	20101012	US20080077872	20080322

Priority:

US20050689576P 20050613 US20060445553 20060602 US20060484081 20060711
US20080077872 20080322

Probable Assignee: LOVETT ROBERT

Assignee(s): (std): LOVETT ROBERT

Inventor(s): (std): LOVETT ROBERT

Agent(s): JAMES RICHARDS; RICHARDS JAMES; JAMES

31) Family number: 32485459 (US2005276454A)

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Title: SYSTEM AND METHODS FOR TRANSFORMING BIOMETRIC IMAGE DATA TO A CONSISTENT ANGLE OF INCLINATION

Abstract: Biometric data are obtained through a biometric input device (**120**) and subsequently pixelated via a pixelator (**130**). The pixelator (**130**) creates an image of the biometric data. Via a processing unit (**110**), a relationship between pixels of a transformed version of the image is asserted. Thus, the biometric data is rotated to a consistent inclination based on the relationship between pixels regardless of an orientation in which the biometric data were captured in the original image. Once the image has been transformed, features of the biometric data may be extracted and either stored in a data storage unit (**140**) or compared with previously stored feature values for validation of the biometric data.

Classifications:

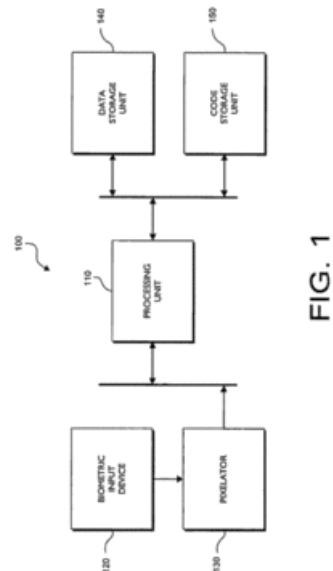
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G06K9/00 G06K9/32 G06Q20/00 G06Q20/10 G06Q20/20 G06Q20/40
G06Q30/00 G06Q40/00 G07C9/00 H04L9/08
H04L9/32 (Advanced/Invention);
G06K9/00 G06K9/32 (Core/Invention)

International (IPC 1-7): G06K9/00

CPC: G06K9/00154 G07C9/257 G06Q20/10 G06Q20/1085
G06Q20/20 G06Q20/40145 G06Q20/4016 G06F21/45 G06F21/72
H04L2209/12 G06F21/32 G06F2221/2129 G06K9/00187
G06K9/00926 G06K9/3283 G06K2009/00953 H04L9/0861
H04L9/3226 H04L9/3231 H04L9/3242 H04L2209/16 H04L2209/80

European: G06F21/32 G06K9/00C G06K9/00C2P G06K9/32S
G06K9/32S1 G06Q20/10 G06Q20/1085 G06Q20/20 G06Q20/40145
G06Q20/4016 G07C9/00B6D4 H04L9/32J H04L9/32J4 H04L9/32L4
S06F221/2129 T04L209/16

US: 1/1 382/115 382/115P 382/116 382/119 382/123 382/124
382/186 382/187 382/188 382/209 382/289 382/290 382/293
382/293S 382/294 382/295 382/296 705/1.1 705/16 705/16P 705/39
705/39S 705/43 705/43S 713/186 713/186P

**Family:**

Publication number	Publication date	Application number	Application date
US2005276454 AA	20051215	US20050151412	20050614
US2010142763 AA	20100610	US20090627413	20091130
US2011126024 AA	20110526	US20110931340	20110131
US2011238510 AA	20110929	US20110072398	20110325
US2014365782 AA	20141211	US20140198695	20140306
US2016171199 AA	20160616	US20160998574	20160121
US2017220794 AA	20170803	US20170731069	20170414
US2018285556 AA	20181004	US20180909218	20180301
US7916907 BB	20110329	US20090627413	20091130
US8842887 BB	20140923	US20110931340	20110131
US8885894 BB	20141111	US20110072398	20110325
US9286457 BB	20160315	US20140198695	20140306
US9665704 BB	20170530	US20160998574	20160121
US9940453 BB	20180410	US20170731069	20170414
US10515204 BB	20191224	US20180909218	20180301

Priority:

US20040579422P	20040614	US20050151412	20050614	US20090627413	20091130
US20100389208P	20101002	US20100456901P	20101115	US20110931340	20110131
US20110072398	20110325	US20130851884P	20130315	US20140198695	20140306
US20160998574	20160121	US20170731069	20170414	US20180909218	20180301

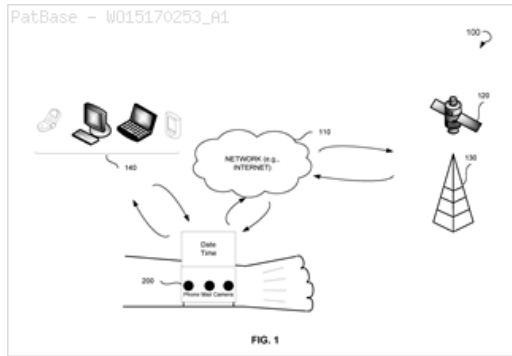
Probable Assignee: BIOCRYPT ACCESS LLC**Assignee(s):** (std): 20 20 VENTURES LLC ; BEATSON CHRISTOPHER J ; BEATSON RODNEY ; BIOCRYPT ACCESS LLC ; KELTY MARK A ; ROWEN MICHAEL JOHN ; TRANSACTION SECURITY INC**Inventor(s):** (std): BEATSON RODNEY ; KELTY MARK A ; ROWEN MICHAEL JOHN ; BEATSON CHRISTOPHER J**Inventor(s):** KELTY MARK**Agent(s):** ROSENBERG KLEIN AND LEE; KALI KO AND ASSOCIATES LLC; SCOTT H**32) Family number: 75050892 (WO15170253A1)**

© PatBase

Title: WEARABLE PERSONAL DIGITAL DEVICE WITH CHANGEABLE BENDABLE BATTERY AND EXPANDABLE DISPLAY USED AS STANDALONE ELECTRONIC PAYMENT CARD

Abstract: A wearable personal digital device(200) and methods for enlarging display space using the wearable personal digital device(200) are provided. The wearable personal digital device(200) may comprises a processor, a memory unit, an expandable display(208), a camera(218), a projector(210), a communication circuit, a swipe card reader(212), one or more biometric sensors(220,222), one or more accelerometers, a housing(204), and a band(202). The expandable display(208) is be communicatively coupled to the processor and configured to expand to enlarge display space using a flip up portion, detachable portion, or bending the expandable display(208). The band(202) may include one or more rechargeable batteries configured to power the wearable personal digital device(200). Biometric sensors(220,222) and accelerometers provide data for monitoring health and activity of the user. The swipe card reader(212) is configured to read payment card data.

Classifications:**International (IPC 8-9):** G06Q20/34 H04B1/38 (Advanced/Invention)**CPC:** G06F1/163 G06F1/1677 G06Q20/3274 G06Q20/36 G06Q20/40145 G06Q20/34 H04B1/385 H04B2001/3866



Family:

Publication number	Publication date	Application number	Application date
WO15170253 A1	20151112	WO2015153275	20150505

Priority:

US20140272939 20140508

Probable Assignee: ZHOU ANDREW

Assignee(s): (std): ZHOU ANDREW ; ZHOU DYLAN ; ZHOU TIGER

Inventor(s): (std): ZHOU DYLAN ; ZHOU TIGER ; ZHOU ANDREW

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

33) Family number: 41802617 (WO08057057A1)

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Title: A STATE CONTROL SENSOR ACTIVATING AND/OR DEACTIVATING AN ANTI-FRAUD DEVICE AND A MAGNETIC CARD READER/WRITER FOR AN SST OR AN ATM

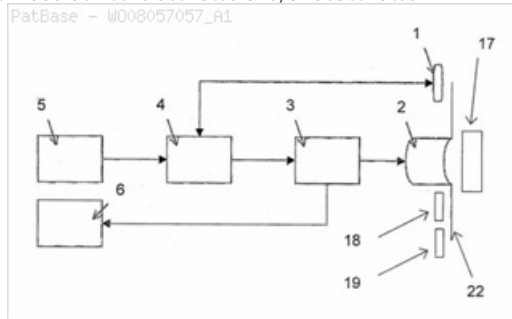
Abstract: A state control sensor for detecting a foreign object in the vicinity of an SST (Self Service Terminal) or an ATM (Automated Teller Machine) comprising a transmitter transmitting signals to the vicinity of the SST or the ATM and a receiver receiving signals reflecting back from the vicinity of the SST or the ATM for detecting if any change in state occurred in the vicinity of the SST or the ATM, characterized in that the sensor is set to an initial state value by transmitting sonic or ultrasonic wave signals to the vicinity of the SST or the ATM and receiving sonic or ultrasonic wave signals from the vicinity of the SST or the ATM, and when a change in state is detected an anti-fraud device is activated and/or deactivated.

Classifications:

International (IPC 8-9): G07F19/00 (Advanced/Invention); G07F19/00 (Core/Invention)

CPC: G07F19/20 G07F19/2055 G07F19/207 G08B13/1618

European: G07F19/00F G07F19/20 G07F19/2055 G07F19/207 G08B13/16A1



Family:

Publication number	Publication date	Application number	Application date
WO08057057 A1	20080515	WO2006TR00055	20061110

Priority:

WO2006TR00055 20061110

Probable Assignee: ASKEROGLU HAKAN

Assignee(s): (std): ASKEROGLU HAKAN ; BASAR CIHAT CELIK ; YESIL ISMET

Inventor(s): (std): BASAR CIHAT CELIK ; YESIL ISMET ; ASKEROGLU HAKAN

Agent(s): GURSOY BAHADIR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

34) Family number: 69021002 (US2018089689A)

© PatBase

Title: DEDICATED PAYMENT TERMINAL FOR MITIGATING INSTANCES OF CARD HOLDER FRAUD USING IMAGE CAPTURE AND METHOD

Abstract: A credit card terminal is provided for mitigating consumer credit card fraud comprising a card reader and image capture means. The terminal comprises a camera activated during transaction processing which records in computer-readable memory media of the purchaser. This media may thereafter be referenced to verify the identity of the

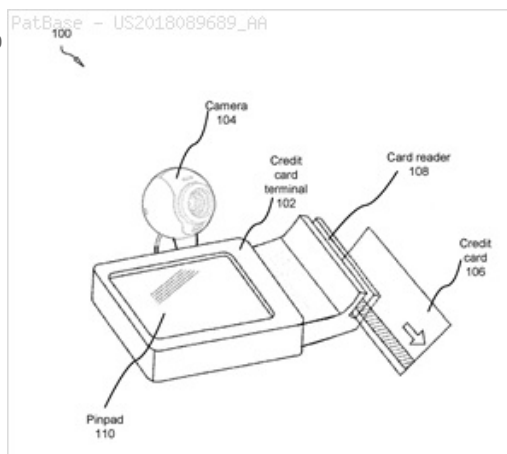
purchaser upon purchaser chargeback.

Classifications:

International (IPC 8-9): G06K7/00 G06K7/08 G06Q20/02 G06Q20/20 G06Q20/40 (Advanced/Invention)

CPC: G06Q20/40145 G06K7/087 G06K7/0004 G06Q20/20 G06Q20/209 G06Q20/4016 G07F7/0873

US: 1/1 705/17



Family:

Publication number	Publication date	Application number	Application date
US2018089689 AA	20180329	US20160277668	20160927

Priority:

US20160277668 20160927

Probable Assignee:

SHAW TREVOR

Assignee(s): (std):

SHAW TREVOR

Inventor(s): (std):

SHAW TREVOR

35) Family number: 61182750 (WO15193770A1)

© PatBase

Title: ELECTRONIC CARD FOR THE PAYMENT OF PRODUCTS, SYSTEM FOR THE ELECTRONIC PAYMENT OF GOODS OR PRODUCTS IN A SHOP OR COMMERCIAL STORE AND METHOD ASSOCIATED THEREWITH

Abstract: Electronic card (200) for the payment of products, comprising: a radio interface module (205) configured for allowing the transceiving of at least a plurality of unique data of a user (10) of said card; a first memory or memory portion (202), electrically connected to said radio interface module (205) and obtaining a customer identification storage medium, immovably constrained to the body of said electronic card (202) and containing unique identification data of said user (10); a second memory or memory portion (208), electrically connected to said radio interface module (205); said second memory or memory portion (208) containing a residual money credit of said user (10); said electronic card (200) being configured for being immovably associated in a physical way to a bag (100) and for being queried by a radio transceiving stage (320) remotely positioned with respect to said bag and transmitting at least one request signal for identification data of said user; said electronic card being configured for retransmitting, towards said radio transceiving stage (320), at least part of the said unique identification data of said user (10) stored inside said first memory or memory portion (202) following the reception of said request signal for identification data of said user.

Classifications:

International (IPC 8-9): G06Q20/32 G06Q20/34 (Advanced/Invention)

CPC: G06Q20/3278 G06Q20/3433 G06Q20/352 G06Q20/3674

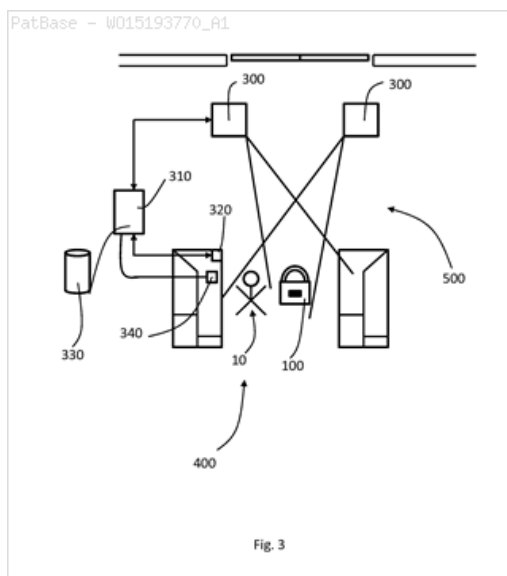


Fig. 3

Family:

Publication number	Publication date	Application number	Application date
WO15193770 A1	20151223	WO20151B54385	20150610

Priority:

IT2014RM00317 20140616

Probable Assignee: CARNEVALE VITTORIA

Assignee(s): (std): CARNEVALE VITTORIA

Inventor(s): (std): CARNEVALE VITTORIA

Agent(s): FIAMMENGHI EVA ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

36) Family number: 30598633 (KR20030064365A)

© PatBase

Title: PAYMENT SYSTEM USING TOUCH SENSOR AND RF CARD READER AND METHOD FOR PROCESSING THE SAME

Abstract: PURPOSE: A payment system and a method for processing the same are provided to prevent an RF card from being operated regardless of intention of a user by turning on a power of a card reader only when an external input exists from a touch sensor, receiving a signal being radiated from the RF card, executing a commodity payment process, and checking an RF signal when the commodity payment process is completed. CONSTITUTION: A payment system includes a financial institution server(500), a security server(600), a sensing camera(700), and a communication network(400). A touch sensor(100) checks contact of a user with variation of a capacitance and generates a switching signal. An RF card(200) includes coded user information and a module for transmitting and receiving information related to a payment. The RF card(200) transmits and receives wireless signal information to a payment unit. A card reader(300) includes a module for transmitting and receiving information related to a payment. The card reader(300) recognizes a signal being received from the touch sensor(100) and the RF card(200), reads card information and payment information, transmits the read information to the financial institution server(500), controls an approval for the payment, and controls a security process in accordance with an authentication result from the financial institution server(500).

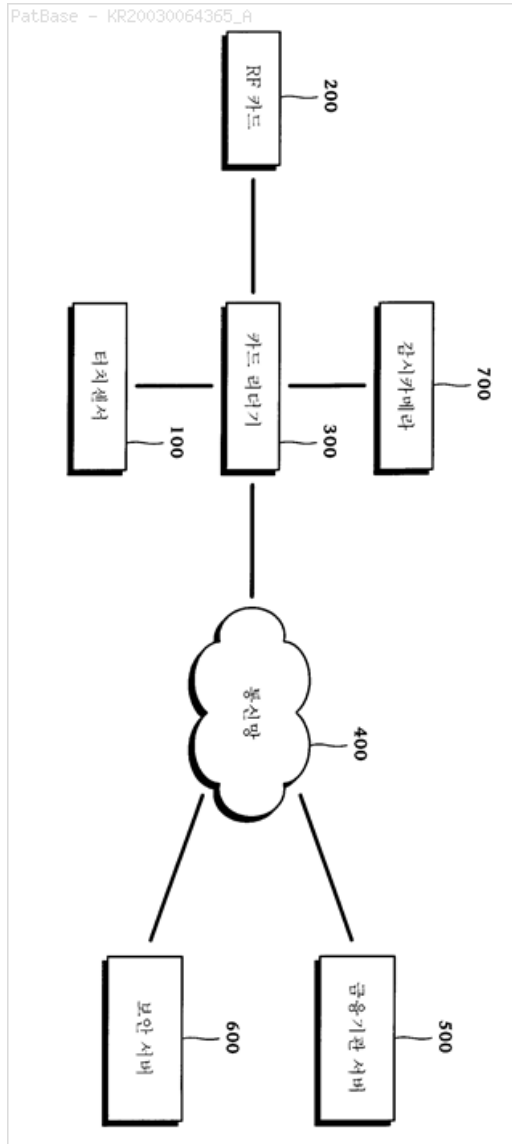
Classifications:

International (IPC 8-9): G06K17/00 (Advanced/Invention);

G06K17/00 (Advanced/Non-invention);

G06K17/00 (Core/Invention)

International (IPC 1-7): G06K17/00



Family:

Publication number	Publication date	Application number	Application date
KR100524695 B1	20051031	KR20030049287	20030718
KR20030064365 A	20030731	KR20030049287	20030718

Priority:

KR20030049287 20030718

Probable Assignee:

CHANG HAK SEON

Assignee(s): (std):

CHANG HAK SEON

Inventor(s): (std):

CHANG HAK SEON

Title: SMARTCARD AND MAGNETIC STRIPE EMULATOR WITH BIOMETRIC AUTHENTICATION

Abstract: A handheld unit which is capable of emulating a plurality smartcards or magnetic stripe cards. The unit has the capability of storing a plurality of data sets representing a plurality of accounts. The unit is equipped with a near field communications interface that can emulate a smartcard interface that is capable of communicating with smartcard readers at POS or ATM terminals, or anywhere else a smartcard may be utilized. The unit is equipped with a biometric sensor to positively verify an authenticated user

Classifications:

International (IPC 8-9): G06F21/20 G06K15/00 G06K17/00 G06K19/06 G06K19/073 G06K5/00 G06Q20/00 G06Q40/00 G07F7/10 (Advanced/Invention);

G06K19/073 (Advanced/Non-invention);

G06K15/00 G06K19/06 G06K5/00 G06Q20/00 G06Q40/00 G07F7/10 (Core/Invention);

G06K19/073 (Core/Non-invention)

International (IPC 1-7): G07F7/10

CPC: G07F7/1008 G06Q20/20 G06Q20/3552 G06Q20/3674

G06K19/06206 G06Q20/40145 G06K19/0718 G06K19/0719

G06K19/0723 G06K19/07345 G06K19/07354 G06K19/08

G06Q20/204 G06Q20/3278 G06Q20/341 G06Q20/3574 G06Q40/025

G07F7/0886 G06K19/077 G06K7/10237 G06Q20/342 G06Q20/3563

G06Q20/3567 G07F7/025 G07F7/088

European: G06K19/06M4 G06K19/073A4 G06K19/073A4A

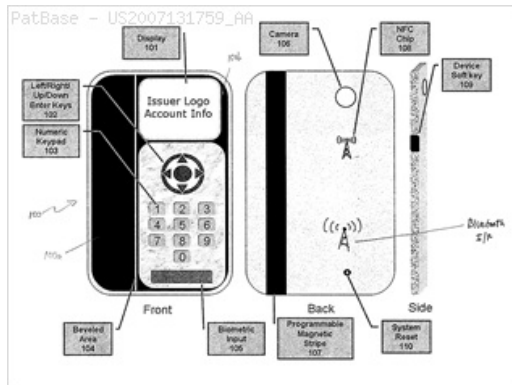
G06K19/077 G06K19/07E4 G06K19/07G G06K19/07T G06K19/08

G06K7/10A5 G06Q20/20 G06Q20/204 G06Q20/3278 G06Q20/341

G06Q20/342 G06Q20/3552 G06Q20/3563 G06Q20/3567

G06Q20/3574 G06Q20/3674 G06Q20/40145 G06Q40/025 G07F7/02E G07F7/08G2 G07F7/08G2P G07F7/10D

US: 235/380 235/380P 235/383 235/383S 705/17 705/17P 705/38 705/38S 705/67 705/67P

**Family:**

Publication number	Publication date	Application number	Application date
AU2007354267 AA	20081204	AU20070354267	20071121
AU2007354267 AH	20100304	AU20070354267	20071121
CA2667306 AA	20090422	CA20072667306	20071121
CN101730907 A	20100609	CN200780049652	20071121
EP2095343 A1	20090902	EP20070873625	20071121
IN02633DN2009 A	20090619	IN2009DN02633	20090422
JP2010510609 T2	20100402	JP20090538523T	20071121
US2007131759 AA	20070614	US20060456906	20060712
US2008126212 AA	20080529	US20070943576	20071120
US2008126260 AA	20080529	US20070943575	20071120
WO08147457 A1	20081204	WO2007US85460	20071121

Priority:

US20050750270P 20051214	US20060785329P 20060322	US20060804615P 20060613
US20060456906 20060712	US20060866909P 20061122	US20060866922P 20061122
US20070942729P 20070608	US20070943575 20071120	US20070943576 20071120
WO2007US85460 20071121		

Probable Assignee: X CARD HOLDINGS LLC

Assignee(s): (std): BONA JOHN K ; COX MARK A ; JOHN BONA ; MARK COX

Assignee(s): X CARD HOLDINGS LLC ; COX MARK A ; BONA JOHN K

Inventor(s): (std): COX MARK A ; BONA JOHN K

Inventor(s): COX MARK ; BONA JOHN ; JOHN K BONA ; MARK A COX ; COX MARK ALAN ; BONA JOHN KENNETH

Agent(s): SPRUSON AND FERGUSON; PERLEY ROBERTSON HILL AND MCDUGALL LLP; TRUEMAN LUCY PETRA; DENNIS M CARLETON ESQUIRE BUCHANAN INGERSOLL PC; FOX ROTHSCHILD LLP; CARLETON DENNIS M

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

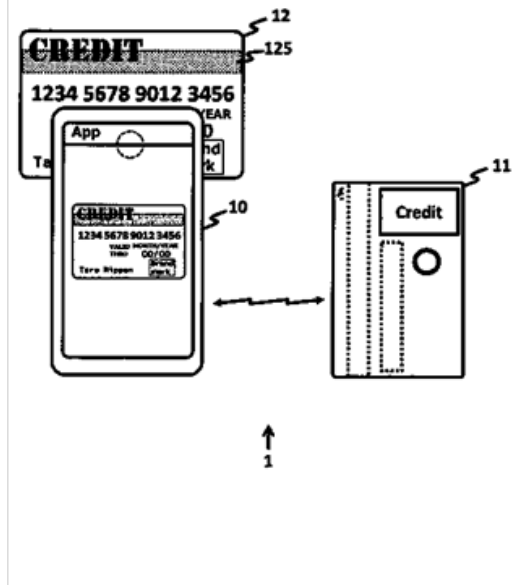
Title: MULTI-PAYMENT CARD ISSUANCE SYSTEM, TERMINAL DEVICE, AND COMPUTER PROGRAM

Abstract: PROBLEM TO BE SOLVED: To enable issuance of a multi-payment card without requiring an exclusive reader-writer. SOLUTION: A terminal device 10 analyzes an image of a surface of a payment card 12 photographed by a camera unit 102, identifies card data print-processed on the surface of the payment card 12, then, using the card data, generates magnetic encoded data encoded in a magnetic stripe of the payment card 12, and transmits the magnetic encoded data to a multi-payment card 11. The multi-payment card 11 stores the magnetic encoded data received from the terminal device 10 in a memory unit 112. SELECTED DRAWING: Figure 1

Classifications:

International (IPC 8-9): G06K19/06 G06K7/08

G06Q20/34 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
JP2017215825 A2	20171207	JP20160109724	20160601

Priority:

JP20160109724 20160601

Probable Assignee: DAINIPPON PRINTING CO LTD
Assignee(s): (std): DAINIPPON PRINTING CO LTD
Assignee(s): DAI NIPPON PRINTING CO LTD
Inventor(s): (std): ONODERA TAKAHIRO

39) Family number: 52235235 (CN102750775A)

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Title: METHOD FOR PREVENTING INFORMATION OF BANK CARD AND PASSWORD AND THE LIKE FROM BEING STOLEN ON ATM (AUTOMATIC TELLER MACHINE)

Abstract: The invention provides a method for preparing information of a bank card and a password and the like from being stolen on an ATM (Automatic Teller Machine). The method comprises the steps of implementing a certain processing on an appearance feature picture of an ATM operating panel shot based on a real object, and coding into an application program of the ATM, and then displaying through an operating display screen of the ATM, so that a user can compare the picture and the real object of the ATM before use. With the adoption of the method, through a simple comparison, the user can distinguish whether the ATM is changed by an offender (namely whether equipment, such as a card reader, an user operation keyboard and a camera, is added on the ATM or false information for inducing user to be deceived is adhered), thus avoiding the trap of the offender and avoiding the economic loss caused when the information of bank card and password and the like are stolen by the offender.

Classifications:

International (IPC 8-9): G06K9/00 G07F7/08 (Advanced/Invention)

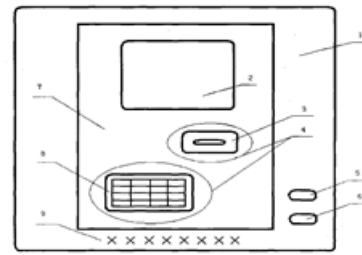


图 1

5

Family:

Publication number	Publication date	Application number	Application date
CN102750775 A	20121024	CN201110104478	20110422

Priority:

CN201110104478 20110422

Probable Assignee:

HAN LONG

Assignee(s): (std):

HAN LONG ; JIANPING LONG

Assignee(s):

LONG HAN ; LONG JIANPING

Inventor(s): (std):

HAN LONG ; JIANPING LONG

Inventor(s):

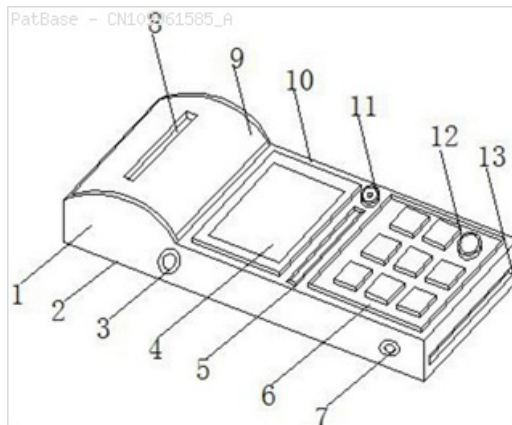
LONG HAN ; LONG JIANPING

40) Family number: 74936626 (CN109961585A)

© PatBase

Title: CARD-FREE MOBILE PAYMENT SYSTEM BASED ON TRADITIONAL FINANCIAL TERMINAL AND REPLACING PHYSICAL BANK CARD

Abstract: The invention discloses a card-free mobile payment system based on a traditional financial terminal and replacing a physical bank card. The system comprises a housing, a display screen, an alarm device, a fingerprint recognizer, a magnetic stripe card reader, a mass sensor, an AT89S51 single-chip microcomputer and a voice recognizer. The housing is externally provided with a switch, the display screen, the alarm device, a camera, a keyboard and the fingerprint recognizer. The housing is internally provided with a servo motor, a receipt tube, the mass sensor and a printer. One side of the magnetic stripe card reader is provided with a storage battery, the voice recognizer and the AT89S51 single-chip microcomputer. During use, a user not only can finish payment through a password mode, but also can identify identification through fingerprint and voice reserved in the system terminal, and the whole process is recorded and saved, thereby giving the user the maximum safety guarantee; and when the mass sensor in the device senses that the receipt tube is underweight, the information is transmitted to the AT89S51 single-chip microcomputer, and the AT89S51 single-chip microcomputer controls the alarm device to give an alarm to remind the user to replace print receipts in advance, thereby saving more time.

Classifications:**International (IPC 8-9):** G06Q20/40 G07F19/00 (Advanced/Invention)**CPC:** G06Q20/40145 G07F19/00**Family:**

Publication number	Publication date	Application number	Application date
CN109961585 A	20190702	CN201711332938	20171214

Priority:

Probable Assignee: YAO WIDE BRIGHT
Assignee(s): (std): YAO GUANGLIANG
Assignee(s): YAO WIDE BRIGHT
Inventor(s): (std): YAO GUANGLIANG

41) Family number: 74852539 (CN109934574A)

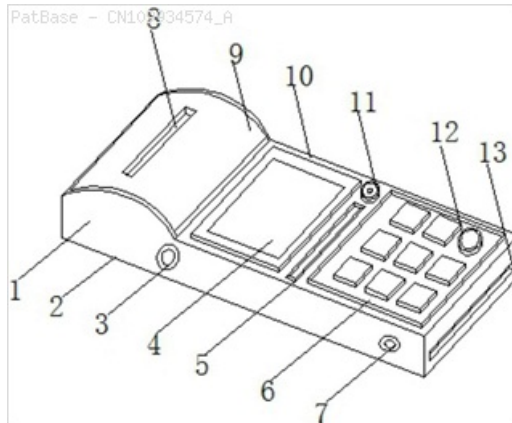
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Title: A CARD-FREE MOBILE PAYMENT SYSTEM BASED ON A TRADITIONAL FINANCIAL TERMINAL AND REPLACING AN ENTITY BANK CARD

Abstract: The invention discloses a card-free mobile payment system based on a traditional financial terminal and replacing an entity bank card. The system comprises a housing, a display screen, an alarm, a fingerprint recognizer, a magnetic stripe card reader, a mass sensor, an AT89S51 single-chip microcomputer and a sound recognizer; A switch, a display screen, an alarm, a camera, a keyboard and a fingerprint identifier are arranged outside the shell, a servo motor, a bill paper tube, a mass sensor and printer are arranged in the shell, a storage battery is arranged on one side of the magnetic stripecard reader; the sound recognizer is connected with an AT89S51 single chip microcomputer; When the system is used, a user can complete payment in a password mode; the identity can be verified through fingerprints and sounds reserved in the system terminal by the user; According to the device, the paper tube is arranged in the paper tube, full-course video recording is retained, the maximum safety guarantee is provided for a user, when a quality sensor in the device senses that the weight of the paper tube is insufficient, information is transmitted to an AT89S51 single chip microcomputer, the AT89S51 single chip microcomputer controls an alarm to send out alarm reminding, the user can replace a printing receipt in advance, and more time is saved.

Classifications:

International (IPC 8-9): G06Q20/32 G06Q20/40 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
CN109934574 A	20190625	CN201711348188	20171215

Priority:

CN201711348188 20171215

Probable Assignee: GAO YULING
Assignee(s): (std): GAO YULING
Inventor(s): (std): GAO YULING

42) Family number: 74221299 (CN109727403A)

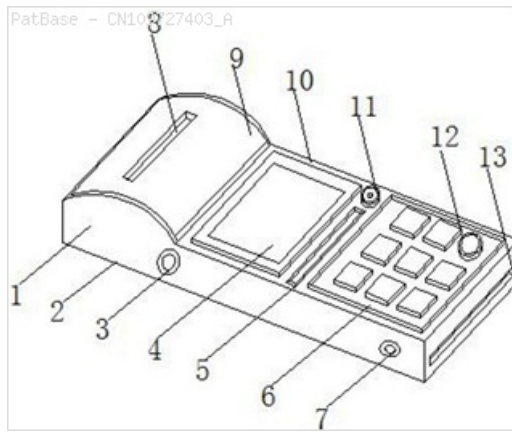
© PatBase

Title: DEVICE USING BRACELET TO REPLACE ENTITY MEMBERSHIP CARD FOR PAYMENT

Abstract: The invention discloses a device using a bracelet to replace an entity membership card for payment. The device comprises a casing, a display screen, an alarm, a fingerprint identifier, a magnetic stripe card reader, a mass sensor, an AT89S51 single chip microcomputer and a voice recognizer. A switch, the display screen, the alarm, a camera, a keyboard and the fingerprint identifier are arranged outside the casing. A servo motor, a receipt paper tube, the mass sensor and a printer are arranged inside the casing. A battery, the voice recognizer and the AT89S51 single chip microcomputer are arranged on one side of the magnetic stripe card reader. When the device is used, a user can not only complete payment through password, but also can verify the identity through the fingerprint and sound, which is pre-stored in a system terminal, of the user. The whole process is recorded and saved, which provides the user with the greatest security. When the mass sensor in the device senses that the weight of the paper tube is insufficient, information is transmitted to the AT89S51 single chip microcomputer. The AT89S51 single chip microcomputer controls the alarm to send an alarm warning. The user can carry out replacement in advance for receipt printing, which saves time.

Classifications:

International (IPC 8-9): G06Q20/40 G07G1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN109727403 A	20190507	CN201711051023	20171027

Priority:

CN201711051023 20171027

Probable Assignee:

XIANG YAN

Assignee(s): (std):

YAN XIANG

Assignee(s):

XIANG YAN

Inventor(s): (std):

YAN XIANG

43) Family number: 74846375 (CN109935016A)

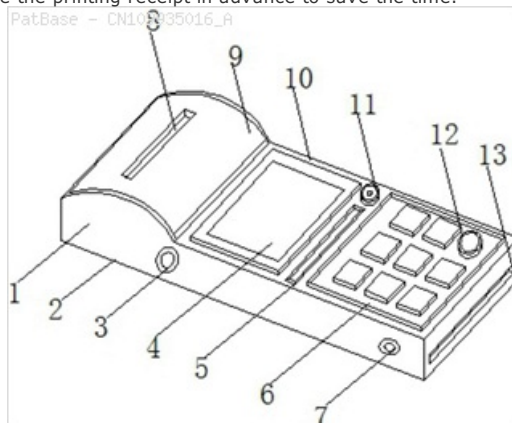
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Title: DEVICE FOR PAYMENT BY USING WRISTBAND FOR REPLACING PHYSICAL MEMBERSHIP CARD

Abstract: The invention discloses a device for payment by using a wristband for replacing a physical membership card. The device comprises a housing, a display screen, an alarm device, a fingerprint identifier, a magnetic stripe card reader, a mass sensor, an AT89S51 single-chip microcomputer and a voice recognizer. A switch, the display screen, the alarm device, a camera, a keyboard and a fingerprint identifier are arranged outside the housing; a servo motor, a receipt paper tube, the mass sensor and a printer are arranged inside the housing. A storage battery, the voice recognizer and the AT89S51 single-chip microcomputer are arranged at one side of the magnetic stripe card reader. When the device is in use, the user can complete payment by a password mode and can carry out identity verification by using the own fingerprint and sound reserved in the system terminal; the whole course is recorded for storage to provide the greatest safety guarantee for the user; when sensing the insufficient weight of the paper tube, the mass sensor arranged in the platform transmits the information to the AT89S51 single-chip microcomputer; and the AT89S51 single-chip microcomputer controls the alarm device to make alarm sounds for warning, so that the user can replace the printing receipt in advance to save the time.

Classifications:

International (IPC 8-9): G07G1/00 (Advanced/Invention)



Family:

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