

Search strategy

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1 AND "G07C-009"/IC

21 Documents

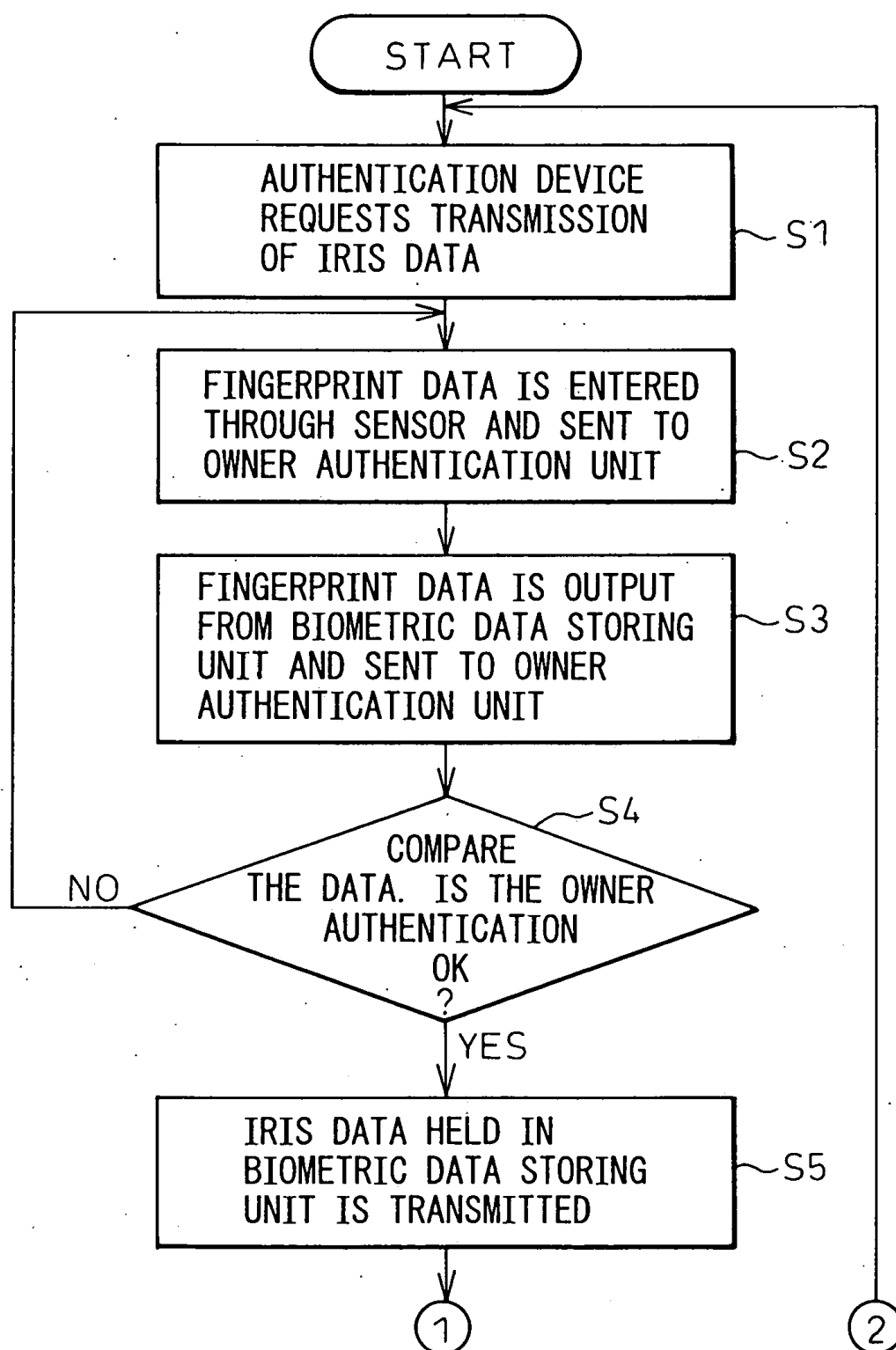
Publication numbers	Title	Current assignees
EP1796018 A2	Biometric authentication system employing various types of biometric data.	FUJITSU
US20030177102 A1	System and method for biometric authorization for age verification	YOU TECHNOLOGY
WO200631255 A2	Biometric identification system	CHEMTRON RESEARCH
EP1537526 A2	Secure biometric verification of identity	IVI HOLDINGS
EP-612040 A2	Method and apparatus for credit card verification	KODAK
WO200227623 A1	System and method for making monetary transactions within a coverage area	NOBLE LINDA, ...
US20060005042 A1	Data security system	PEN ONE ACQUISITION
EP1875446 A1	Security device, method and system for financial transactions, based on the identification of an individual using a biometric profile and a smart card	CHEMLA YVES, ...
EP-912959 A1	Tokenless identification system	OPEN INVENTION NETWORK, ...
EP3039603 A1	Apparatus and methods for identity verification	CYLON GLOBAL TECHNOLOGY
US20040257196 A1	Method and apparatus using biometric sensors for controlling access to a wireless communication device	GOOGLE TECHNOLOGY
EP1548637 A2	Method and apparatus for providing identification	NEOTEC HOLDINGS
EP1147493 A1	Method and apparatus for securely transmitting and authenticating biometric data over a network	IRIDIAN TECHNOLOGIES
US20180268413 A1	Transaction device	PHADKE BINATA ABHAY, ...
EP3005211 A1	Resource management based on biometric data	MICROSOFT TECHNOLOGY LICENSING
US20120075059 A1	Security system providing temporary personnel access based upon near-field communication and related methods	BLACKBERRY
EP1038255 A1	Self-service kiosk with biometrics verification and/or registration capability	SOLTESZ JOHN A, ...
US20040064453 A1	Large-scale hierarchical identification and verification for secured ingress and egress using biometrics	MEYERS JOHN VANCE, ...
US20190073461 A1	Methods and systems for ensuring that an individual is authorized to conduct an activity	DAON
US20170337757 A1	Computer-implemented electronic surveillance system and method	BULLAPPA KANNAKATTI
US20010017584 A1	Mobile electronic apparatus having function of verifying a user by biometrics information	FUJITSU

Family 1/21 - FAMPAT - ©Questel

Title

(EP1796018)

Biometric authentication system employing various types of biometric data.

Images**Publication numbers with kind code & date**

DE60322520	D1	2008-09-11	DE60322520
EP1489551	B1	2008-07-30	EP1489551
EP1796018	A3	2007-08-22	EP1796018
EP1796018	A2	2007-06-13	EP1796018



EP1489551	A3	2006-01-18	EP1489551				
JP2005010826	A	2005-01-13	JP2005010826				
EP1489551	A2	2004-12-22	EP1489551				
US20040255168	A1	2004-12-16	US20040255168				

IPC - International classification

A61B-005/117; G06F-001/00; G06F-015/00; G06F-021/20; G06K-009/00; G07C-009/00; H04L-009/32

Abstract

(EP1796018)

A biometric data acquisition system comprising a terminal device having a biometric data storing unit for storing a plurality of kinds of biometric data associated with a person; an authentication device which performs person authentication based on the biometric data transmitted from the terminal device; and a biometric data acquisition device having a biometric data acquiring unit for acquiring the biometric data, an encryption unit which encrypts the biometric data by using an encryption key, and a decryption key storing unit which stores a decryption key, and wherein the biometric data associated with the person, acquired by the biometric data acquiring unit, is encrypted by the encryption unit and transferred to the terminal device for storage in the biometric data storing unit, and when the encrypted biometric data stored in the terminal is transmitted to the authentication device, the authentication device decrypts the encrypted biometric data by using the decryption key stored in the decryption key storing unit of the biometric data acquisition device.

Inventors

MARUSHITA KIMITAKA

SHINZAKI TAKASHI

SUZUKI SHOJI

Latest standardized assignees - inventors removed

FUJITSU

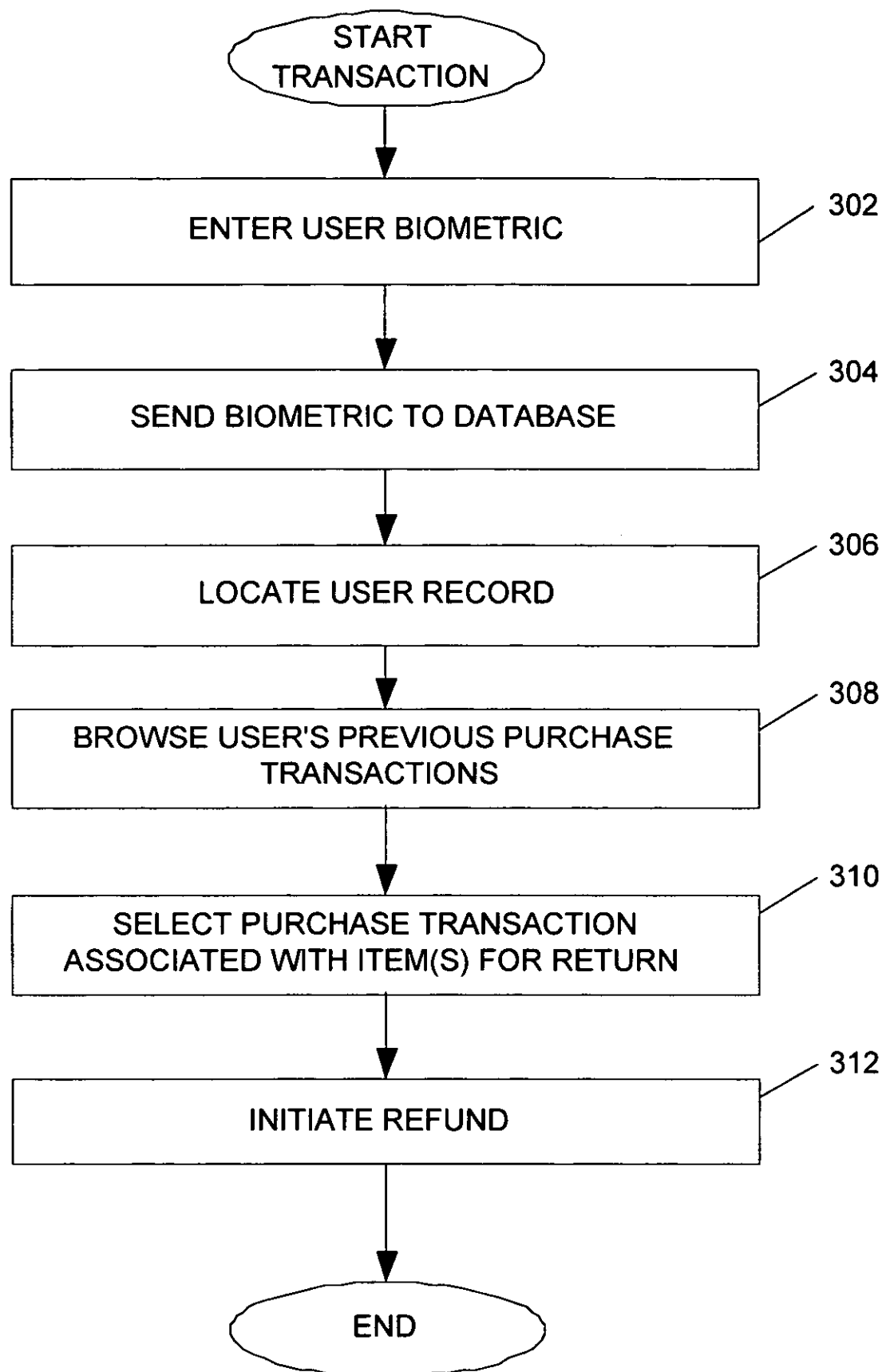
Family 2/21 - FAMPAT - ©Questel

Title

(US20030177102)

System and method for biometric authorization for age verification

Images

**Publication numbers with kind code & date**

US9378351	B1	2016-06-28	US9378351
US8892899	B1	2014-11-18	US8892899
US8341421	B1	2012-12-25	US8341421
US7836485	B2	2010-11-16	US7836485
US7778933	B2	2010-08-17	US7778933



US7769695	B2	2010-08-03	US7769695				
US7765164	B1	2010-07-27	US7765164				
US7624073	B1	2009-11-24	US7624073				
US7533066	B1	2009-05-12	US7533066				
US20090070270	A1	2009-03-12	US20090070270				
US20090006239	A1	2009-01-01	US20090006239				
US7464059	B1	2008-12-09	US7464059				
US20080271116	A1	2008-10-30	US20080271116				
US7437330	B1	2008-10-14	US7437330				
US7367049	B1	2008-04-29	US7367049				
US7269737	B2	2007-09-11	US7269737				
US20070168290	A1	2007-07-19	US20070168290				
US20060265602	A1	2006-11-23	US20060265602				
US20060248020	A1	2006-11-02	US20060248020				
US7082415	B1	2006-07-25	US7082415				
US20040153421	A1	2004-08-05	US20040153421				
US20030177102	A1	2003-09-18	US20030177102				
US20030061172	A1	2003-03-27	US20030061172				

IPC - International classification

G06F-017/00; G06F-017/30; G06F-017/60; G06F-021/32; G06Q-020/00; G06Q-020/04; G06Q-020/20; G06Q-020/36; G06Q-020/38; G06Q-020/40; G06Q-099/00; G07C-009/00; H04K-001/00; H04L-009/00; H04L-009/32; H04L-009/32

Abstract

(US20030177102)

The present invention is a system and method of biometric-based age verification for authorizing presenter access of age-restricted good or services between an age presenter and an age verifier. System presenters register at least one biometric identifier, at least one identification number, personal age-verifying data, and personal identity-verifying data. A presenter presents a biometric sample obtained from the presenter's person and the presenter's system ID number to conduct age verifications for purchase of or access to age-restricted goods or services. This data is used to authenticate the presenter's age and authorize access to purchase or obtain age-restricted goods or services by matching the presented transaction biometric with at least one registered biometric template and without the use of a man-made identity token.

Inventors

ROBINSON TIMOTHY

Latest standardized assignees - inventors removed

YOU TECHNOLOGY

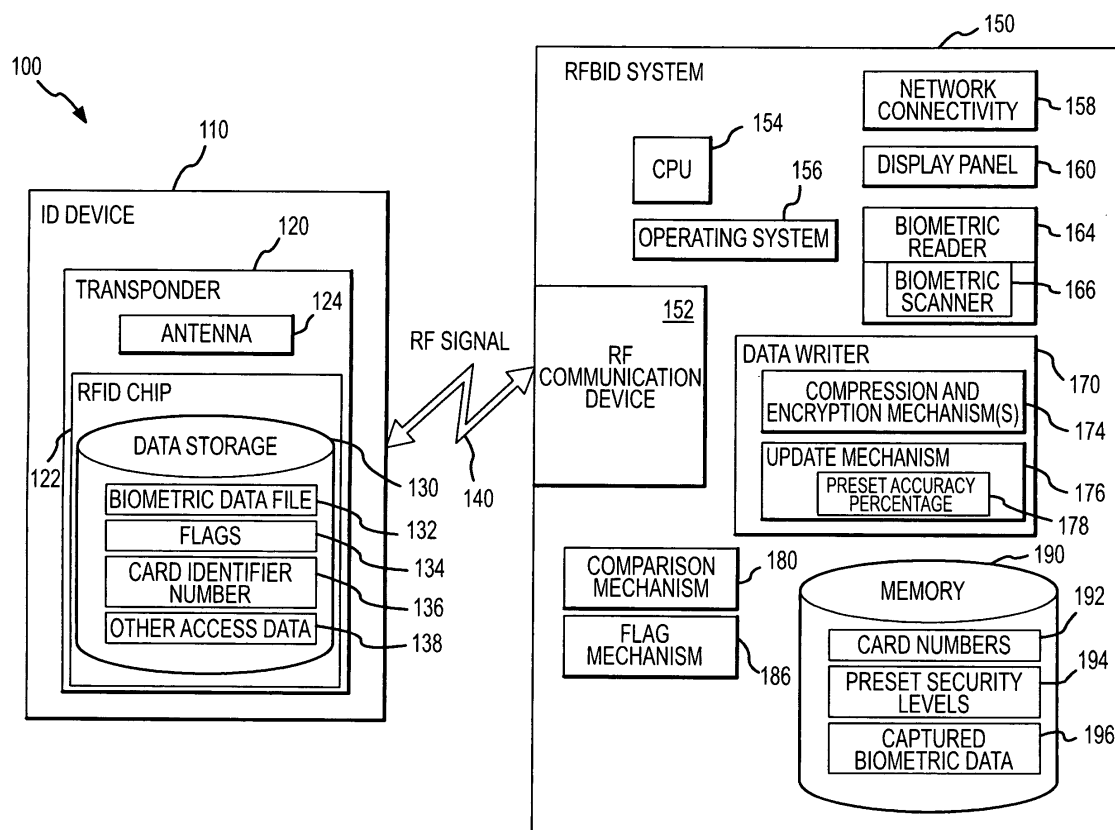
Family 3/21 - FAMPAT - ©Questel

Title

(WO200631255)

Biometric identification system

Images

**Publication numbers with kind code & date**

US7172115	B2	2007-02-06	US7172115
WO2006/031255	A3	2006-05-26	WO200631255
WO2006/031255	A2	2006-03-23	WO200631255
US20050218215	A1	2005-10-06	US20050218215

**IPC - International classification**

G06K-005/00; G06K-017/00; G07C-009/00

Abstract

(WO2006/031255)

A biometric identification system that includes one or more identification devices or cards. Each identification card includes a radio frequency identification (RFID) element storing a first set of biometric information. A communication device operates to send and receive radio frequency signals to read the first set of biometric information from the identification device when they are proximal to each other but without insertion or physical contact. A biometric reader is provided that reads a second set of biometric information from an individual presenting the identification card. A comparison mechanism compares the first and second sets of biometric information to determine if the two sets are a match. When no match is found, a flag mechanism modifies a value of a flag in the RFID element of the identification device. An update mechanism determines when the match exceeds an accuracy limit and updates biometric information on the identification device wirelessly.

Inventors

LAUDEN GARY A

Latest standardized assignees - inventors removed

CHEMTRON RESEARCH

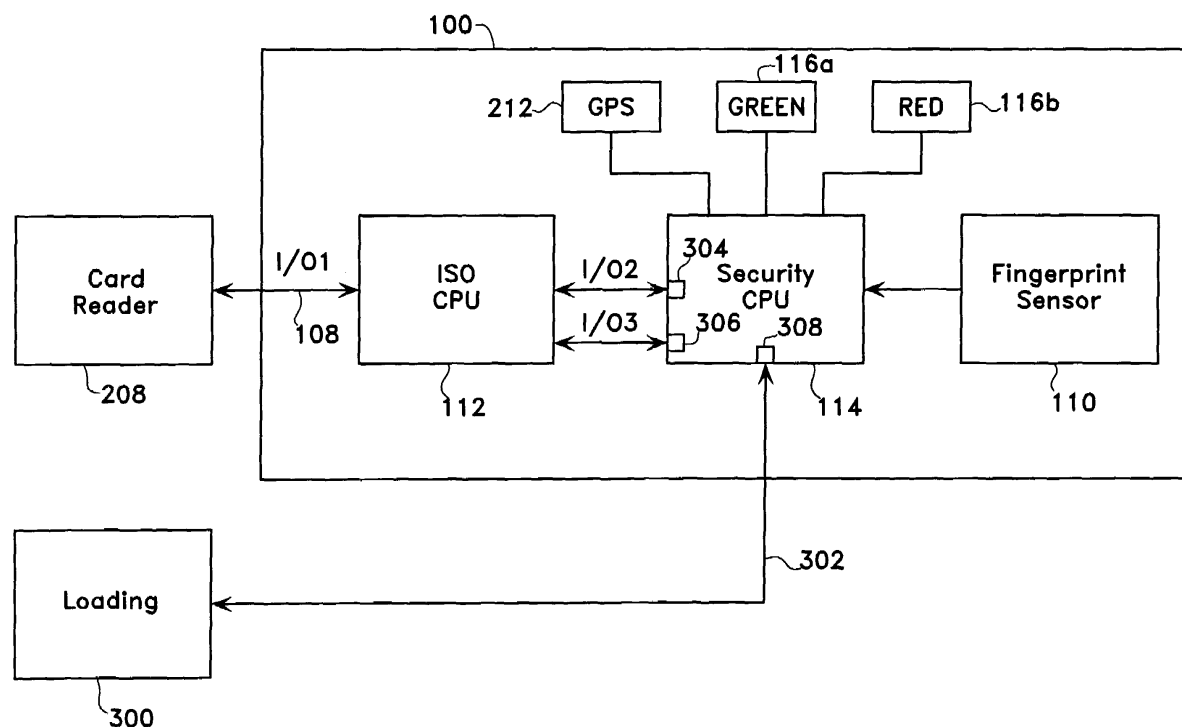
Family 4/21 - FAMPAT - ©Questel

Title

(EP1537526)

Secure biometric verification of identity

Images



Publication numbers with kind code & date

MY161401	A	2017-04-14	MY-161401
US20150379250	A1	2015-12-31	US20150379250
IL167360	B	2015-07-30	IL-167360
US8904187	B2	2014-12-02	US8904187
TWI366795	B	2012-06-21	TWI366795
JP2011090686	A	2011-05-06	JP2011090686
AP2205	A	2011-02-07	AP---2205
JP4673065	B2	2011-01-28	JP4673065
MD4012	B2	2010-01-31	MD---4012
CN100437635	C	2008-11-26	CN100437635C
IN0582/KOLNP/2005	A	2008-09-05	IN2005KN00582
US20080019578	A1	2008-01-24	US20080019578
VN0006678	B	2007-12-25	VN---6678B
EA008983	B1	2007-10-26	EA---8983
NZ539208	A	2007-10-26	NZ-539208
US7278025	B2	2007-10-02	US7278025
TNSN05068	A1	2007-05-14	TN0500068
AT500802	A3	2007-04-15	AT-500802
TR200502225	T2	2007-01-22	TR200502225
RS20050213	A	2006-12-15	RS200500213
ZA200502663	B	2006-08-30	ZA200502663
LT5344	B	2006-06-27	LT---5344
AT500802	A2	2006-03-15	AT-500802
LV13365	B	2006-02-20	LV--13365
IL167360	A	2006-02-05	IL-167360
LT2005035	A	2006-01-25	LT200500035
JP2006501583	A	2006-01-12	JP2006501583
SK50292005	A3	2006-01-05	SK200505029
EA200500476	A1	2005-12-29	EA200500476
CZ2005209	A3	2005-12-14	CZ200500209
PL375780	A1	2005-12-12	PL2003375780



MXPA05002752	A	2005-12-05	MX2005PA002752				
ECSP055720	A	2005-11-22	EC200505720				
CN1695163	A	2005-11-09	CN1695163				
BG109092	A	2005-10-31	BG-109092				
HU0500646	A2	2005-10-28	HU200500646				
MD20050099	A	2005-09-30	MD200500099				
DE10393215	T5	2005-09-08	DE10393215				
BR0314428	A	2005-08-02	BR200314428				
KR20050074950	A	2005-07-19	KR20050074950				
MA27430	A1	2005-07-01	MA--27430				
AP200503281	A0	2005-06-30	AP200503281				
DK200500499	A	2005-06-09	DKPA200500499				
NO20051783	L	2005-06-09	NO20051783				
EP1537526	A2	2005-06-08	EP1537526				
AR041226	A1	2005-05-11	AR--41226				
SE0500539	A	2005-05-03	SE200500539				
LU91144	A2	2005-03-11	LU--91144				
FI20050253	A	2005-03-09	FI200500253				
US20040129787	A1	2004-07-08	US20040129787				
TW200411572	A	2004-07-01	TW200411572				
WO2004/025545	A3	2004-06-24	WO200425545				
PA8581901	A1	2004-05-21	PA8581901				
AU2003274967	A1	2004-04-30	AU2003274967				
CA2498288	A1	2004-03-25	CA2498288				
WO2004/025545	A2	2004-03-25	WO200425545				
UY27970	A1	2003-12-31	UY--27970				

IPC - International classification

A61B-005/117; B42D-015/10; C07C-009/00; G06F-015/00; G06F-021/00; G06F-021/20; G06F-021/32; G06F-021/34; G06F-021/35; G06K; G06K-009/00; G06K-019/00; G06K-019/07; G06K-019/073; G06K-019/077; G06K-019/10; G06T-001/00; G06T-007/00; G07C; G07C-009/00; G07C-009/00; H04L-009/32

Abstract

(EP1537526)

A high security identification card includes an on-board memory for stored biometric data and an on-board sensor for capturing live biometric data. An on-board processor on the card performs a matching operation to verify that the captured biometric data matches the locally stored biometric data. Only if there is a positive match is any data transmitted from the card for additional verification and/or further processing. Preferably, the card is ISO SmartCard compatible. In one embodiment, the ISO SmartCard functions as a firewall for protecting the security processor used for storing and processing the protected biometric data from malicious external attack via the ISO SmartCard interface. In another embodiment, the security processor is inserted between the ISO SmartCard Interface and an unmodified ISO SmartCard processor and blocks any external communications until the user's fingerprint has been matched with a previously registered fingerprint. Real-time feedback is provided while the user is manipulating his finger over the fingerprint sensor, thereby facilitating an optimal placement of the finger over the sensor. The card may be used to enable communication with a transactional network or to obtain physical access into a secure area.

Inventors

SAITO TAMIO

AIDA TAKASHI

DRIZIN WAYNE

Latest standardized assignees - inventors removed

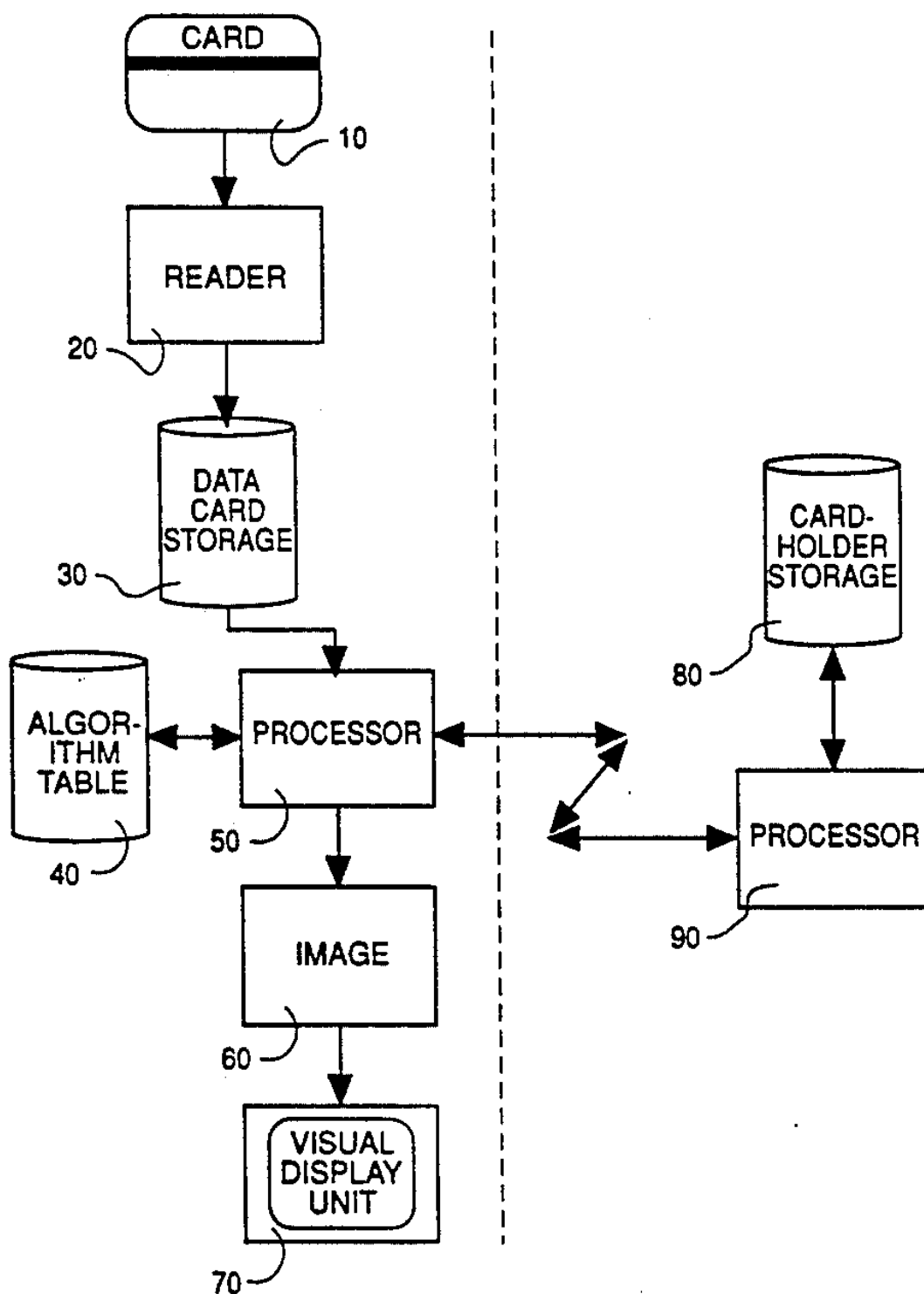
IVI HOLDINGS

Family 5/21 - FAMPAT - ©Questel

Title

(EP-612040)

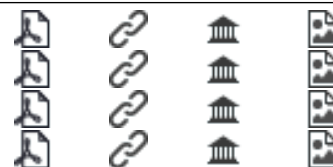
Method and apparatus for credit card verification

Images**Publication numbers with kind code & date**

DE69415053	T2	1999-06-24	DE69415053
JP2889486	B2	1999-05-10	JP2889486
DE69415053	D1	1999-01-21	DE69415053
EP0612040	B1	1998-12-09	EP-612040
US5436970	A	1995-07-25	US5436970



JP07117383	A	1995-05-09	JP07117383
EP0612040	A3	1995-01-04	EP-612040
EP0612040	A2	1994-08-24	EP-612040
US5321751	A	1994-06-14	US5321751



IPC - International classification

B42D-015/10; G06F-021/20; G06K-019/10; G06Q-020/34; G06Q-020/34; G06Q-020/36; G06Q-020/40; G07C-009/00; G07F-007/08; G07F-007/10; G07F-007/12

Abstract

(EP0612040)

Credit card validation system

The validation system includes a credit card having digital data recorded thereon representing the image of at least one authorised user and authorising data. A reader reads the digital data recorded on the credit card. An algorithm unit provides an encryption algorithm for encoding portions of the digital data. A processor encodes the digital data read from the credit card with the provided encryption algorithm. A unit displays the digital image representing the authorised user. A second processor receives portions of the encoded digital data from the first processor. A storage unit has stored digital data corresp. to the authorising data recorded on the credit card and encrypted with the provided encryption algorithm. The second processor compares the received portions of the encoded digital data from the first processor with the digital data from the storage unit to provide a validation signal when a correspondence is detected.

Inventors

RAY LAWRENCE A

ELLSON RICHARD N

Latest standardized assignees - inventors removed

KODAK

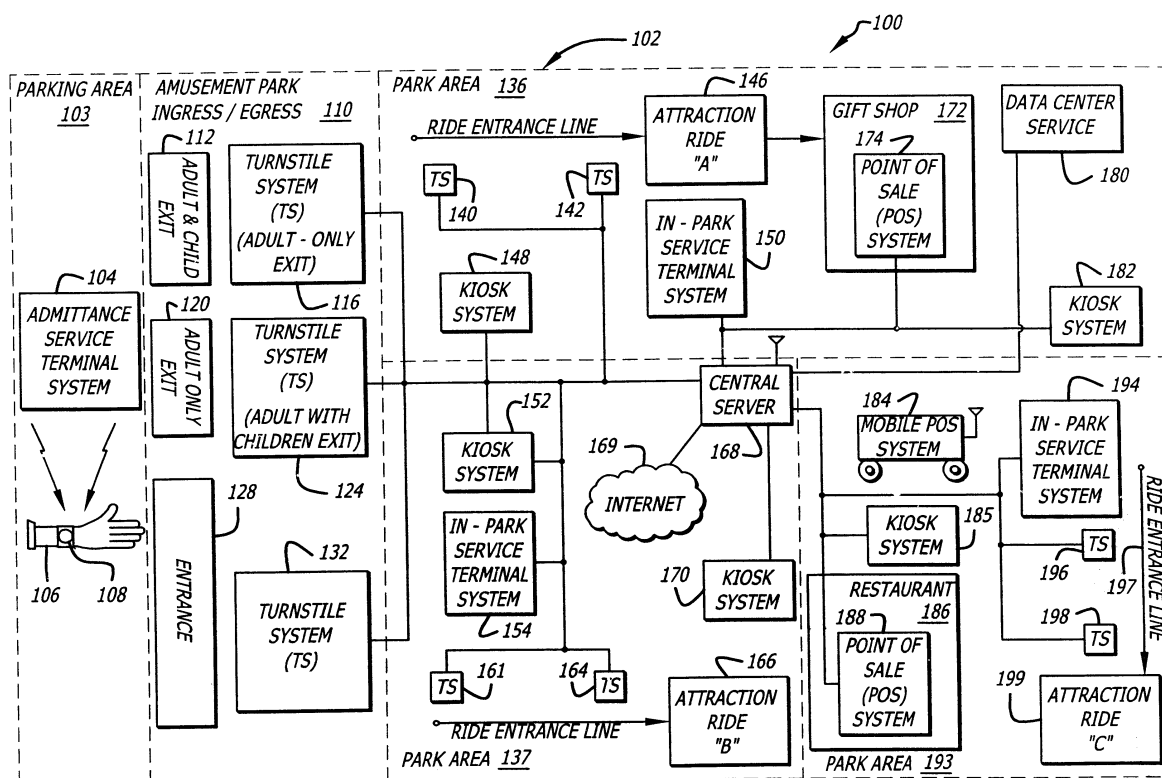
Family 6/21 - FAMPAT - ©Questel

Title

(WO200227623)

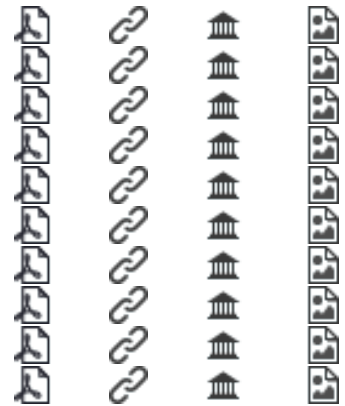
System and method for making monetary transactions within a coverage area

Images



Publication numbers with kind code & date

US6873260	B2	2005-03-29	US6873260
US20020082859	A1	2002-06-27	US20020082859
US20020074398	A1	2002-06-20	US20020074398
US20020075151	A1	2002-06-20	US20020075151
US20020077872	A1	2002-06-20	US20020077872
US20020077883	A1	2002-06-20	US20020077883
US20020070865	A1	2002-06-13	US20020070865
US20020049656	A1	2002-04-25	US20020049656
AU9646701	A	2002-04-08	AU200196467
WO02/27623	A1	2002-04-04	WO200227623

**IPC - International classification**

G06Q-010/02; G06Q-020/04; G06Q-020/20; G06Q-020/32; G06Q-020/34; G06Q-020/36; G06Q-030/02; G06Q-030/06; G06Q-040/00; G07B-015/00; G07C-009/00; G07C-009/00; G07F-007/00; G07F-007/02; G07F-007/08; G07F-017/42

Abstract

(WO02/27623)

A system and method for making monetary transactions within a coverage area includes a point of sale system having a RFID reader (504), an input device (512), a network interface (508), a non-volatile memory and a processor (502). A guest presents an item to a cashier at a POS system, the RFID reader reads a tag identifier from a guest's RFID tag, the cashier inputs the item information into the system and the POS processor then causes the transmission of the tag identifier and item information to the central server. The central server then modifies the monetary credits of the guest data based on the item price.

Inventors

LANCOS KENNETH J

LAND THOMAS J

Latest standardized assignees - inventors removed

NOBLE LINDA

NOBLE RICHARD

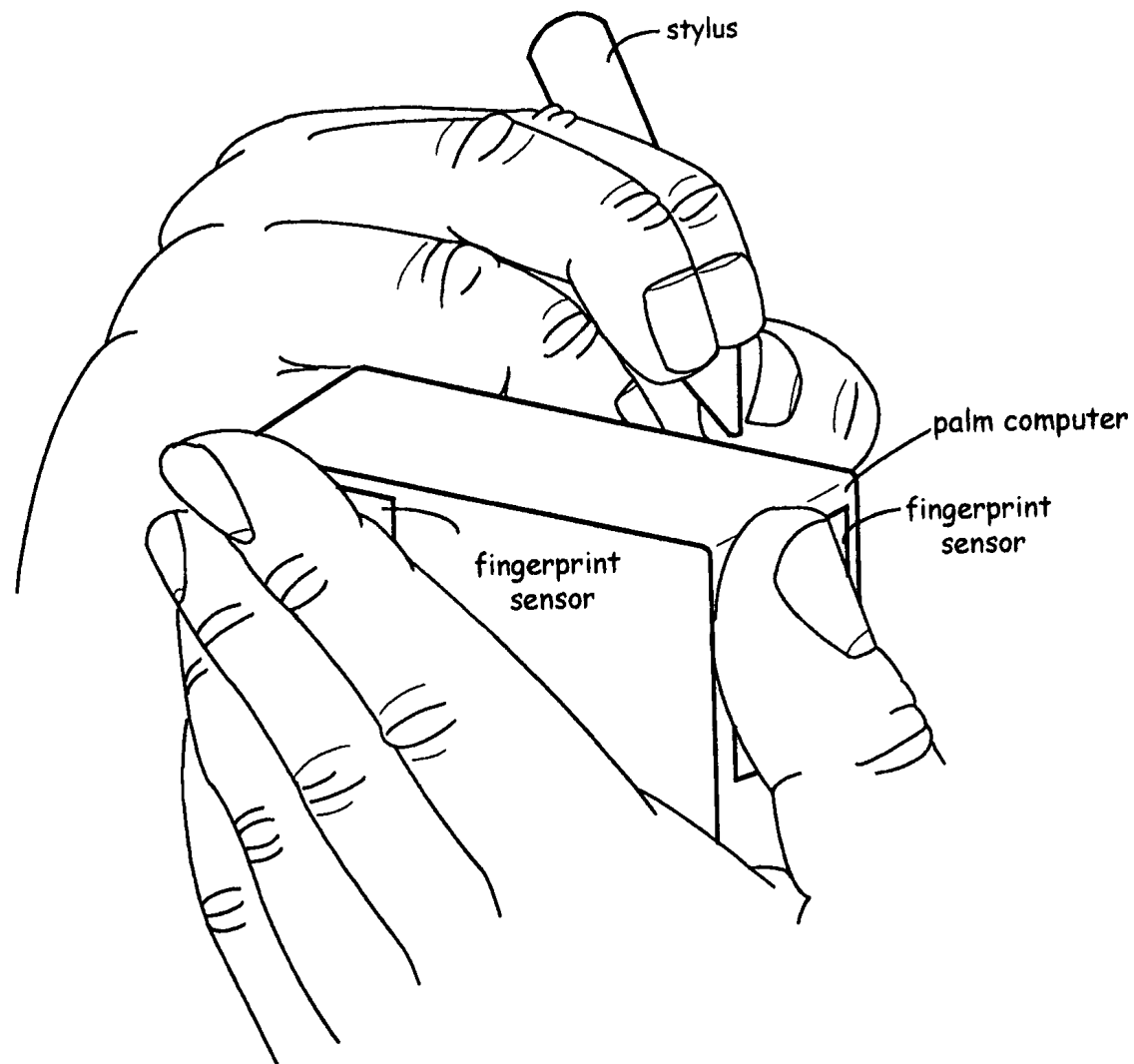
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Title

(US7822232)

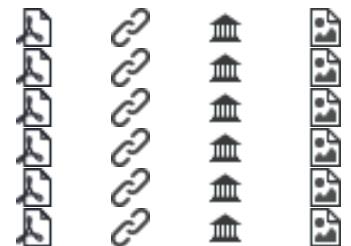
Data security system

Images



Publication numbers with kind code & date

US8520905	B2	2013-08-27	US8520905
US8374402	B2	2013-02-12	US8374402
US20120027265	A1	2012-02-02	US20120027265
US20120013438	A1	2012-01-19	US20120013438
US7822232	B2	2010-10-26	US7822232
US20060005042	A1	2006-01-05	US20060005042



IPC - International classification

G06F-001/00; G06F-003/033; G06F-021/00; G06K-009/00; G06K-009/24; G07C-009/00; G07F-007/10

Abstract

(US20060005042)

A data security system comprises a host processor, and a plurality of remote computers. Each remote computer provides biometric authentication of a user prior to responding to the user request for data access. The remote computers are handheld when in operational mode. A sensor in the handheld computer captures a biometric image while the remote computer is being used. The biometric sensor is positioned in such a way that the sensor enables the capture of the biometric image continually during computer usage with each request for access to secure data. The biometric authentication occurs in a seamless manner and is incidental to the data request enabling user identity authentication with each request to access secure data.

Inventors

BLACK GERALD R

Latest standardized assignees - inventors removed

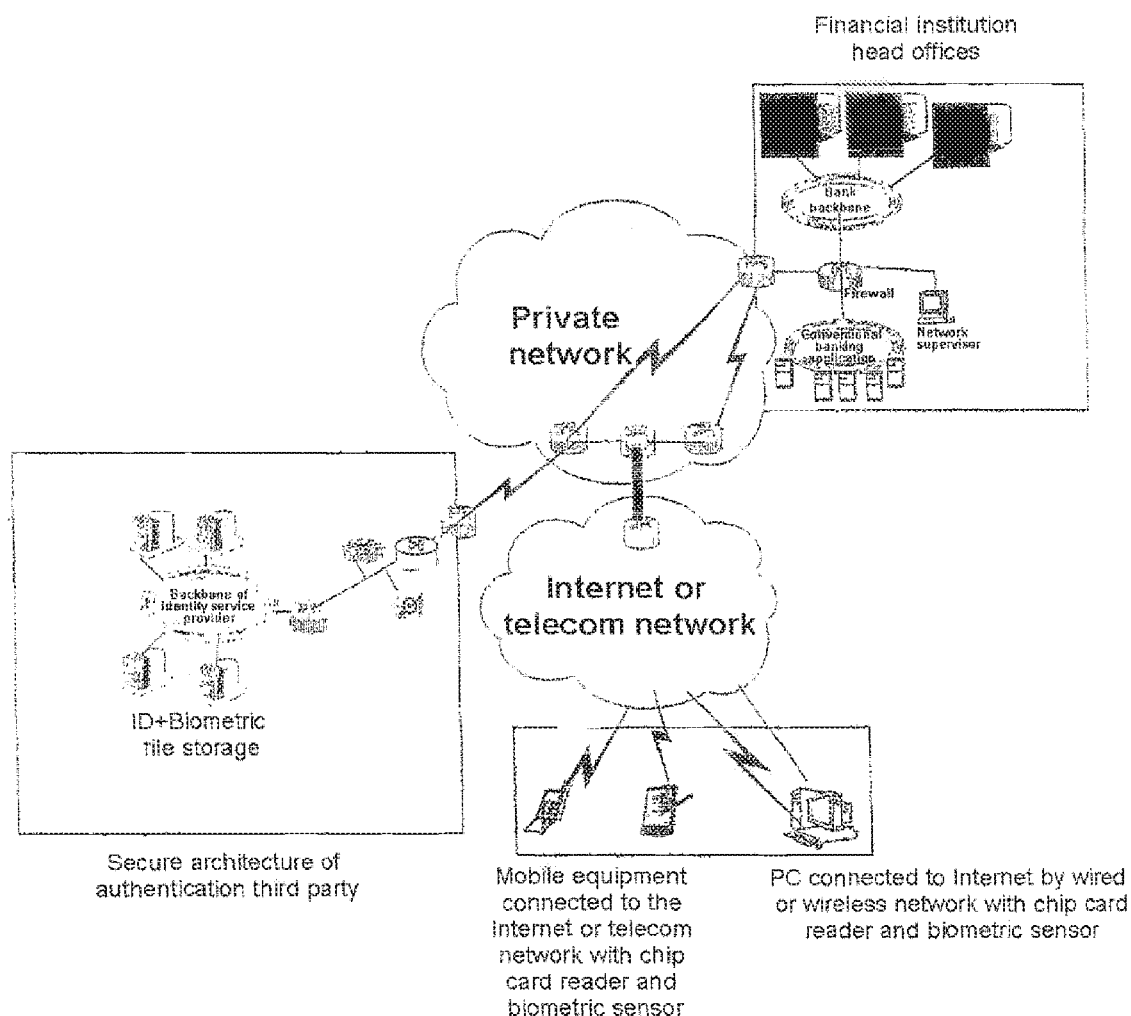
PEN ONE ACQUISITION

Family 8/21 - FAMPAT - ©Questel

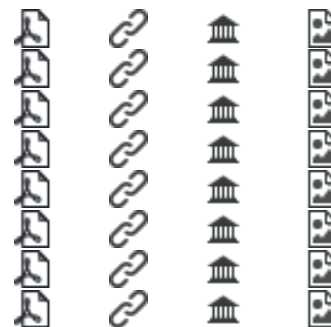
Title

(EP1875446)

Security device, method and system for financial transactions, based on the identification of an individual using a biometric profile and a smart card

Images**Publication numbers with kind code & date**

US9728028	B2	2017-08-08	US9728028
ES2545537	T3	2015-09-11	ES2545537
EP1875446	B1	2015-05-27	EP1875446
US20080282334	A1	2008-11-13	US20080282334
EP1875446	A1	2008-01-09	EP1875446
FR2882878	B1	2007-04-27	FR2882878
WO2006/095067	A1	2006-09-14	WO200695067
FR2882878	A1	2006-09-08	FR2882878

**IPC - International classification**

G06Q-020/34; G06Q-020/40; G06Q-020/40; G07C-009/00; G07F-007/10; H04L-009/32; H04L-009/32

Abstract

(EP1875446)

The invention relates to an innovative device which is used to secure payments or transactions made with a smart card and

to validate the identity of the smart card holder using a client/server biometric control operation, regardless of whether said payments or transactions are made directly at a point of sale or from a PC (personal computer or shared open-access computer) which is connected to the Internet or using a mobile telephone, a portable computer (also known as a laptop), a PDA (Personal Device Assistant) or any other mobile or fixed means that can connect to any telecommunication network and carry out a transaction involving the use of biometrics at the transaction generation point. The invention also relates to smart-card-holding employees of financial institutions who perform professional inter-bank transfers. The invention can also be used for the electronic transfer of funds between states, between groups of states, between groups of states and states and between international organisations and states. The invention has been designed in the form of a client/server-type system for authenticating the identity of a smart card holder, based on the use of the smart card and on the identification of the holder by means of biometric data which are stored on an extended memory smart card and compared with biometric data from an external, remote database that is secured and operated by the third-party authentication server or by the financial institution, but which, for reasons of security and performance, are not transferred over the telecommunication network.

Inventors

CHEMLA YVES

RICHARD CHRISTOPHE

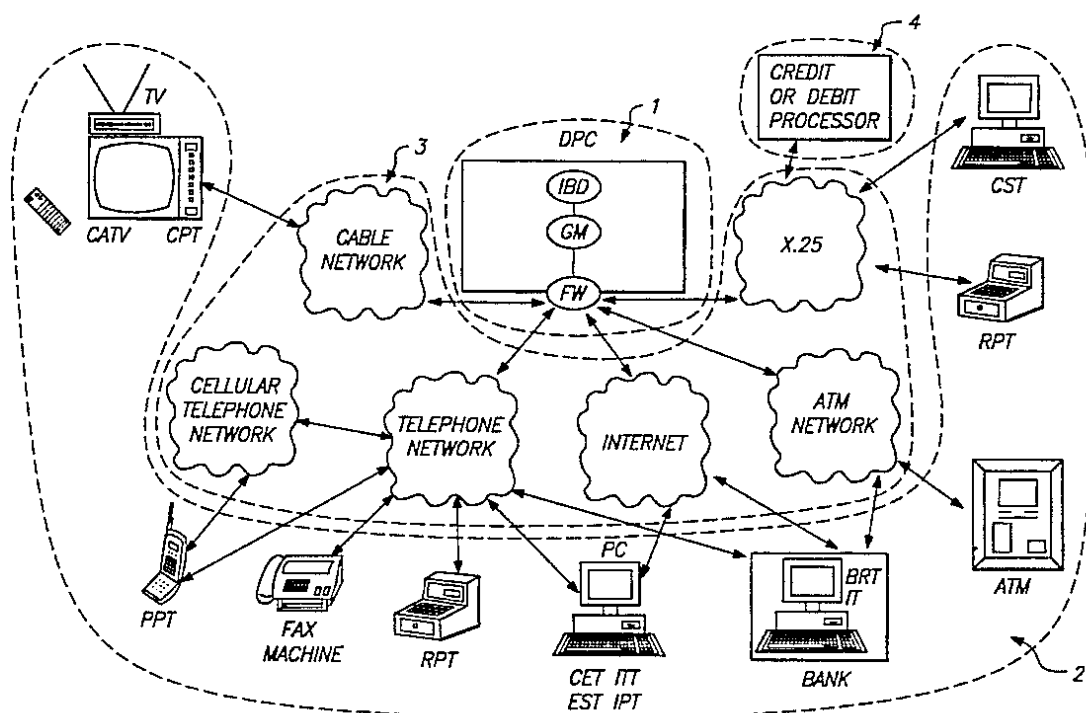
Family 9/21 - FAMPAT - ©Questel

Title

(EP-912959)

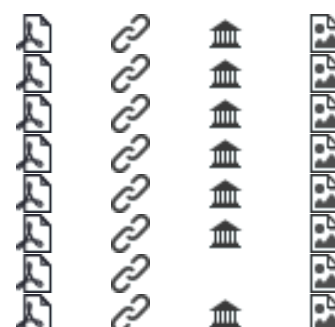
Tokenless identification system

Images



Publication numbers with kind code & date

JP2010097620	A	2010-04-30	JP2010097620
JP2010086552	A	2010-04-15	JP2010086552
CA2221321	C	2009-12-01	CA2221321
JP2009087379	A	2009-04-23	JP2009087379
BR9608580	B1	2009-01-13	BR9608580
JP4097040	B2	2008-03-21	JP4097040
HK1069655	A1	2008-01-25	HK1069655
JP2007293878	A	2007-11-08	JP2007293878



CN1320491	C	2007-06-06	CN1320491C				
JP2006155628	A	2006-06-15	JP2006155628				
JP2006146945	A	2006-06-08	JP2006146945				
RU2263348	C2	2005-10-27	RU2263348				
DE69630713	T2	2004-12-02	DE69630713				
CN1542680	A	2004-11-03	CN1542680				
ES2213774	T3	2004-09-01	ES2213774				
CN1152505	C	2004-06-02	CN1152505C				
PT912959	E	2004-05-31	PT-912959				
DK0912959	T3	2004-03-15	DK-912959T				
DE69630713	D1	2003-12-18	DE69630713				
AT254315	T	2003-11-15	ATE254315				
EP0912959	B1	2003-11-12	EP-912959				
JPH11511882	A	1999-10-12	JP11511882				
EP0912959	A1	1999-05-06	EP-912959				
EP0912959	A4	1999-05-06	EP-912959				
BR9608580	A	1999-01-05	BR9608580				
US5838812	A	1998-11-17	US5838812				
MX9708871	A	1998-10-31	MX9708871				
CN1191027	A	1998-08-19	CN1191027				
US5613012	A	1997-03-18	US5613012				
AU5922696	A	1996-11-29	AU9659226				
CA2221321	A1	1996-11-21	CA2221321				
WO96/36934	A1	1996-11-21	WO9636934				

IPC - International classification

G06F-001/00; G06F-012/14; G06F-015/00; G06F-021/00; G06F-021/20; G06F-021/24; G06K; G06K-009/00; G06K-009/62; G06Q-020/00; G06Q-020/02; G06Q-020/04; G06Q-020/10; G06Q-020/12; G06Q-020/18; G06Q-020/34; G06Q-020/40; G06Q-030/02; G06T-007/00; G07C-009/00; G07F; G07F-007/10; G10L-015/00; G10L-015/28; H04L-009/32; H04L-029/06

Abstract

(EP0912959)

A tokenless identification system and method are principally based on a correlative comparison of a unique biometrics sample, such as a finger print or voice recording, gathered directly from the person of an unknown user, with an authenticated biometrics sample of the same type obtained and stored previously (1). It can be networked to act as a full or partial intermediary between other independent computer systems (3), or maybe the sole computer systems carrying out all necessary executions.

Inventors

HOFFMAN NED

PARE DAVID F

LEE JONATHAN A

Latest standardized assignees - inventors removed

OPEN INVENTION NETWORK

YT ACQUISITION

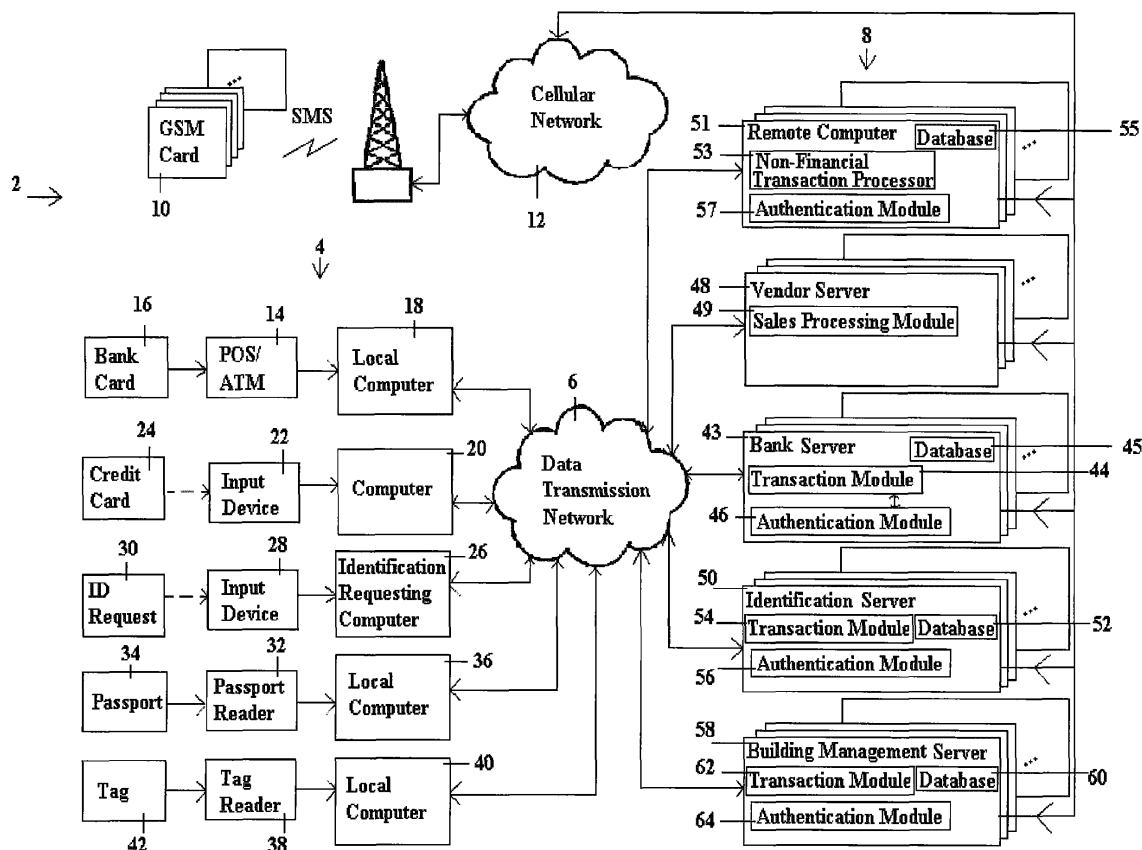
Family 10/21 - FAMPAT - ©Questel

Title

(EP3039603)

Apparatus and methods for identity verification

Images



US9704312	B2	2017-07-11	US9704312				
ZA201602108	B	2017-04-26	ZA201602108				
JP2016535357	A	2016-11-10	JP2016535357				
US20160247337	A1	2016-08-25	US20160247337				
CN105900100	A	2016-08-24	CN105900100				
IN201617010366	A	2016-08-05	IN201617010366				
EP3039603	A1	2016-07-06	EP3039603				
KR20160070061	A	2016-06-17	KR20160070061				
AU2014313996	A9	2016-06-09	AU2014313996				
US9330511	B2	2016-05-03	US9330511				
WO2015/028773	A8	2016-04-28	WO201528773				
AU2014313996	A1	2016-04-21	AU2014313996				
GB2517775	B	2016-04-06	GB2517775				
SG11201601456P	A	2016-03-30	SG11201601456P				
AR097521	A1	2016-03-23	AR--97521				
BR112016004269	A1	2016-03-08	BR112016004269				
HK1207728	A1	2016-02-05	HK1207728				
TW201528028	A	2015-07-16	TW201528028				
US20150061826	A1	2015-03-05	US20150061826				
WO2015/028773	A1	2015-03-05	WO201528773				
GB2517775	A	2015-03-04	GB2517775				
GB201315570	D0	2013-10-16	GB201315570				

G05B-019/00; G05B-023/00; G06F; G06F-007/00; G06F-019/00; G06F-021/00; G06F-021/31; G06F-021/32; G06F-021/42; G06K; G06K-007/10; G06K-007/10; G06K-009/00; G06Q; G06Q-020/20; G07C-009/00; H04L-009/08; H04L-009/32; H04L-029/06; H04W; H04W-004/12; H04W-012/04; H04W-012/06

Abstract

(EP3039603)

An identity verification device comprises a cellular telecommunications modem and a fingerprint scanner coupled to the modem, the verification device being configured for storing first fingerprint data in an enrolment process and being operable, in response to the modem receiving a verification command via a cellular telecommunications network, to perform a verification process in which the fingerprint scanner scans a fingerprint to obtain second fingerprint data, the first and second fingerprint data are compared with each other, and in the event of a match between the first and second fingerprint data, the modem transmits a response signal to a predetermined destination via the telecommunications network. The device may be used in a networked telecommunications system in which the electronic transactions may be initiated by smart cards and other devices.

Inventors

COURTNEY EAMONN

WEBBER GLENN

COLE-COURTNEY JACQUELINE

Latest standardized assignees - inventors removed

CYLON GLOBAL TECHNOLOGY

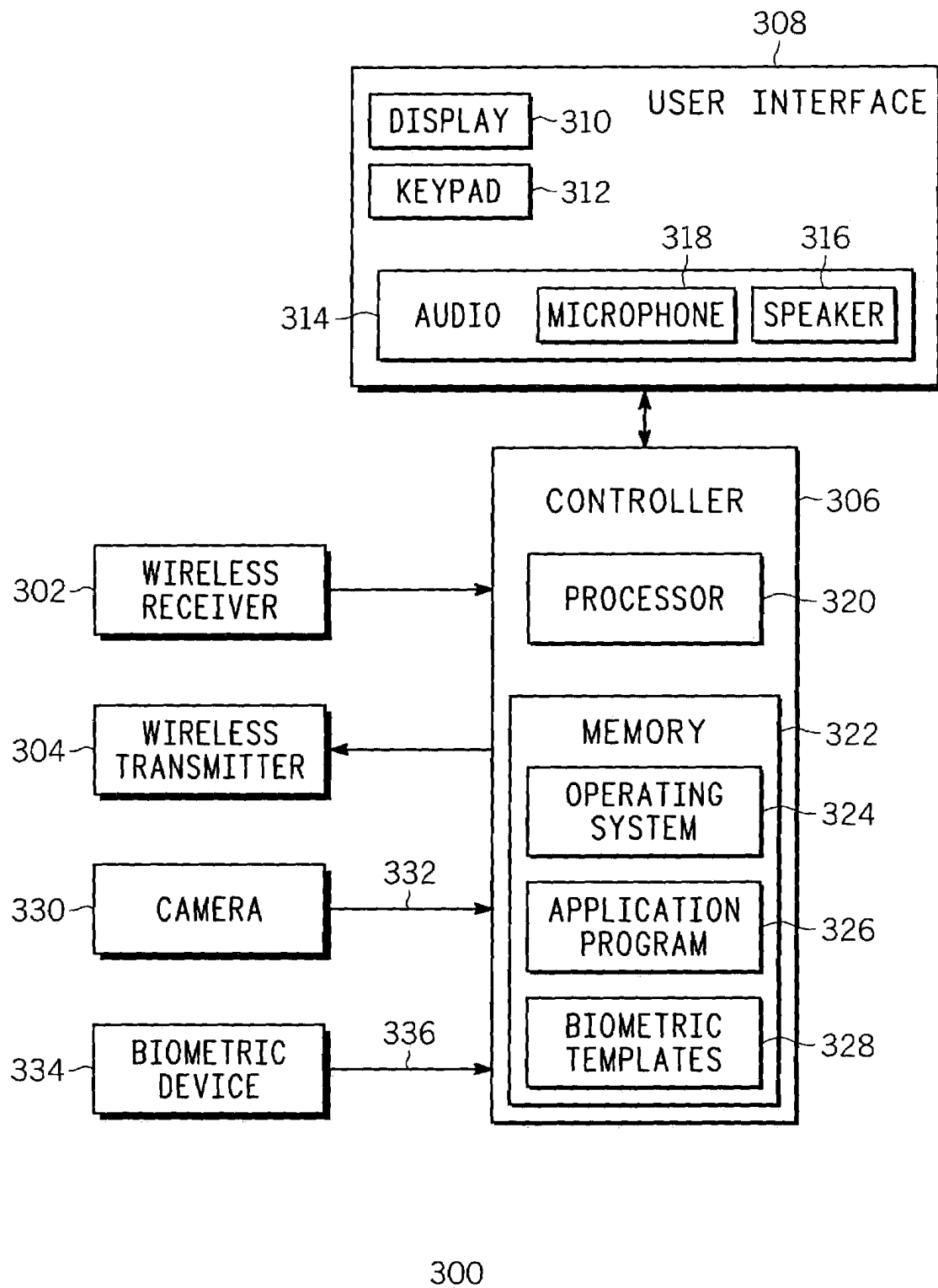
Family 11/21 - FAMPAT - ©Questel

Title

(US7088220)

Method and apparatus using biometric sensors for controlling access to a wireless communication device

Images

**Publication numbers with kind code & date**

US7088220

B2 2006-08-08

US7088220

US20040257196

A1 2004-12-23

US20040257196

**IPC - International classification**

G06F-007/04; G06F-007/14; G07C-009/00

Abstract

(US20040257196)

A wireless communication device (300) and corresponding system therein uses a plurality of biometric sensors (206, 208, 210) for assessing the identity of a user requesting access to a feature or service provided via the wireless communication device (300). A method comprises collecting (410) a biometric sample from one of the sensors and enabling the feature or service (414) when the sample matches a known sample (412) corresponding to the user. Preferably a sensor will be

selected, based on evaluating whether a corresponding predetermined condition exists (406), from a list of the plurality of sensors that is prioritized according to accuracy and ease of use of the sensor.

Inventors

KOTZIN MICHAEL D

Latest standardized assignees - inventors removed

GOOGLE TECHNOLOGY

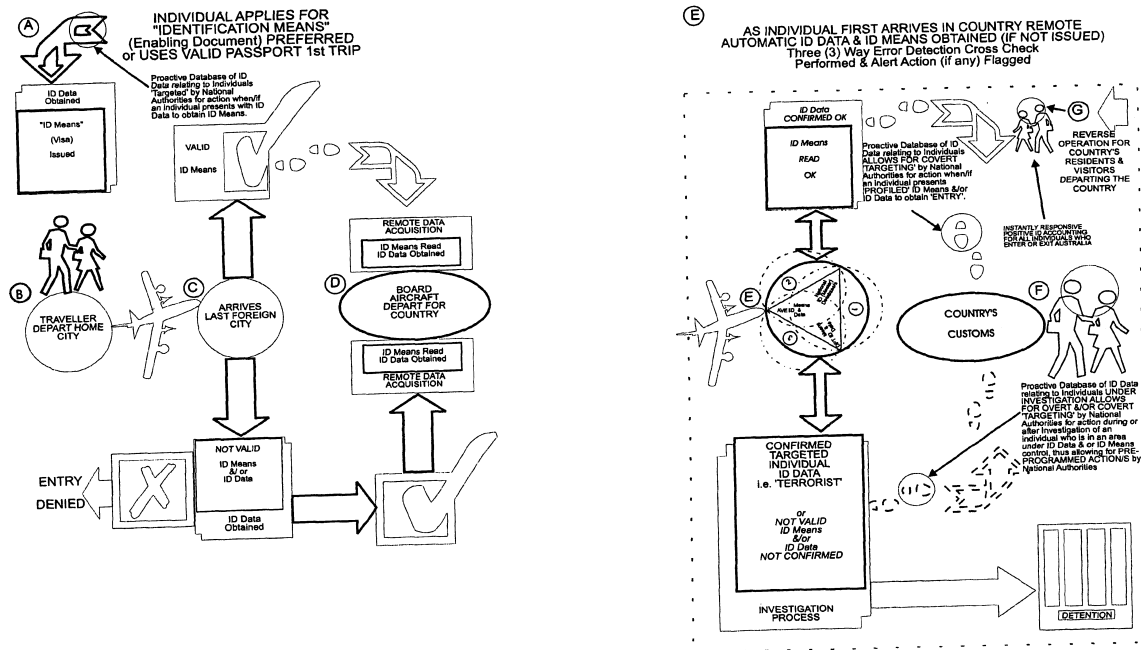
Family 12/21 - FAMPAT - ©Questel

Title

(EP1548637)

Method and apparatus for providing identification

Images

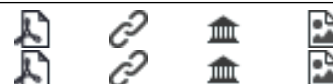


Publication numbers with kind code & date

US20120013435	A1	2012-01-19	US20120013435				
US8009873	B2	2011-08-30	US8009873				
EP1548637	A3	2008-01-02	EP1548637				
AU681541	C	2007-08-23	AU-681541				
CA2230230	C	2006-08-15	CA2230230				
JP3831777	B2	2006-07-28	JP3831777				
DE69533939	T2	2005-12-22	DE69533939				
US20050258238	A1	2005-11-24	US20050258238				
JP2005285145	A	2005-10-13	JP2005285145				
EP1548637	A2	2005-06-29	EP1548637				
US6902108	B1	2005-06-07	US6902108				
DE69533939	D1	2005-02-24	DE69533939				
EP0777890	B1	2005-01-19	EP-777890				
EP0777890	A4	2000-03-29	EP-777890				
JPH10508126	A	1998-08-04	JP10508126				
CN1166219	A	1997-11-26	CN1166219				
SE9703182	D0	1997-09-04	SE9703182				
AU681541	B2	1997-08-28	AU-681541				
EP0777890	A1	1997-06-11	EP-777890				
AU3335395	A	1996-03-14	AU9533353				
CA2230230	A1	1996-02-29	CA2230230				

CA2230230
WO96/06409

A1 1996-02-29 CA2230230
A1 1996-02-29 WO9606409



IPC - International classification

B42D-015/10; G06K-009/00; G06K-017/00; G06K-019/067; G06K-019/07; G06K-019/073; G06K-019/077; G06K-019/10; G06Q-010/00; G06Q-050/00; G07B-015/00; G07C-009/00; G08B-029/00; G09B-015/00; G09F-003/03; H04L-009/32

Abstract

(EP1548637)

A method of providing identification of an individual including: maintaining a database of identification data specific to the appearance and/or condition of individuals; providing a unique description for each individual enabling access to the individuals identification data in the database, and providing identification means (10) adapted for portage with the individual and containing the unique description.

Inventors

CHAPMAN BRYAN P

Latest standardized assignees - inventors removed

NEOTEC HOLDINGS

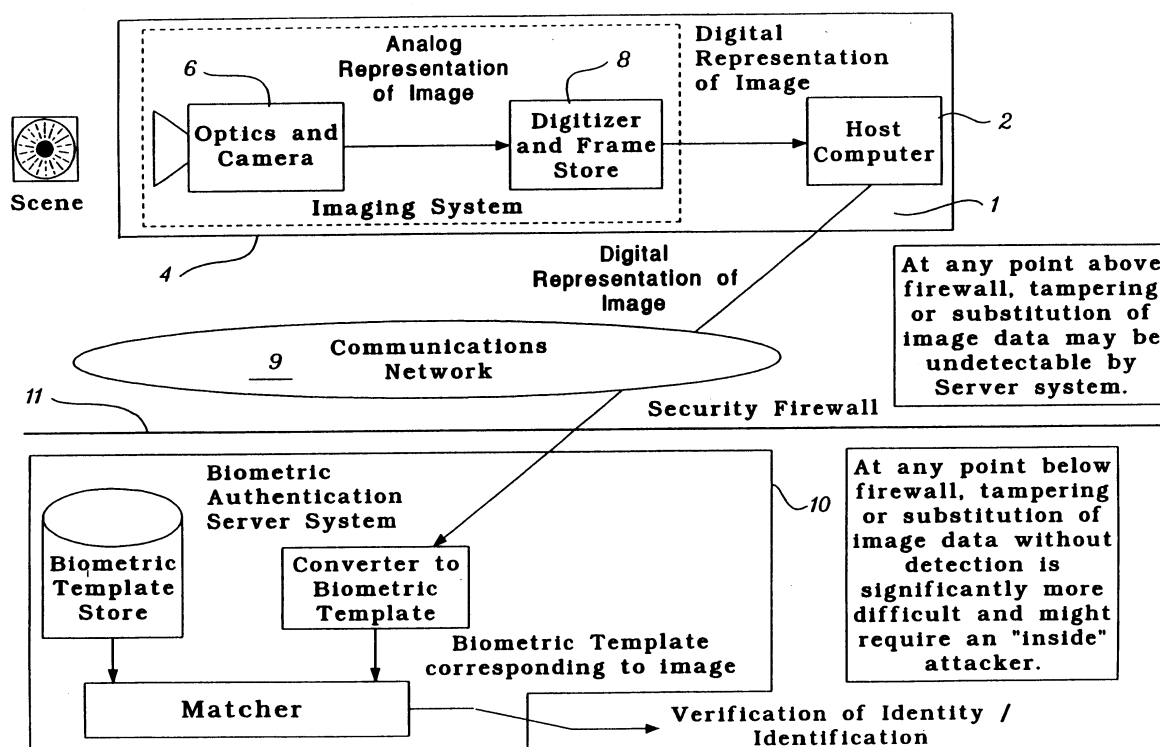
Family 13/21 - FAMPAT - ©Questel

Title

(EP1147493)

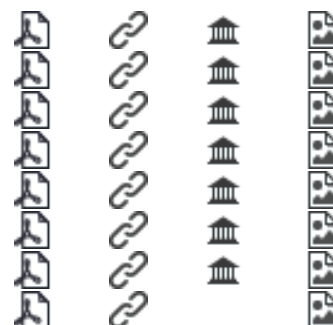
Method and apparatus for securely transmitting and authenticating biometric data over a network

Images



Publication numbers with kind code & date

BR0008900	B1	2014-10-07	BR200008900
EP1147493	B1	2013-10-09	EP1147493
NO330956	B1	2011-08-22	NO-330956
JP4741081	B2	2011-05-13	JP4741081
CA2358535	C	2009-04-14	CA2358535
IL144331	B	2006-04-10	IL-144331
AU779554	B2	2005-01-27	AU-779554
KR100407900	B1	2003-12-03	KR100407900



JP2002535761	A	2002-10-22	JP2002535761				
NZ513000	A	2002-07-26	NZ-513000				
IL144331	A	2002-05-23	IL-144331				
BR0008900	A	2002-04-09	BR200008900				
KR20020021080	A	2002-03-18	KR20020021080				
US6332193	B1	2001-12-18	US6332193				
EP1147493	A1	2001-10-24	EP1147493				
NO20013526	L	2001-09-17	NO20013526				
NO20013526	D0	2001-07-17	NO200103526				
AU2615400	A	2000-08-01	AU200026154				
CA2358535	A1	2000-07-20	CA2358535				
WO00/42577	A1	2000-07-20	WO200042577				

IPC - International classification

G06F-021/00; G06F-021/20; G06K-009/00; G06Q-020/34; G06Q-020/40; G06T-007/00; G07C-009/00; G07D-009/00; G07F-007/10; G07F-019/00; H04L-009/32; H04L-009/32; H04L-029/06

Abstract

(EP1147493)

A method and apparatus for collecting and securely transmitting biometric data over a network contains a sensor, preferably a camera, for collecting biometric data and code generating hardware and software. The camera data is digitized and a unique code which is a function of the digitized camera data, a secret key and a transaction token is attached to the digital file. The code may identify the sensor which acquired the biometric information, a time at which the biometric information was acquired, or a time interval during which the data is considered to be valid, and a unique transaction code. The data and code are transmitted over a network to a server which authenticates that the data has not been altered by recomputing the code using its own knowledge of the secret key and transaction token needed to generate the code. If the data is authentic the server then computes a biometric template using the data. This biometric template is then compared to a previously defined biometric template to identify the user and give the user access to a secured resource. The system can be used for online banking and Internet commerce transactions.

Inventors

GLASS RANDAL

SALGANICOFF MARCOS

VON SEELEN ULF CAHN

Latest standardized assignees - inventors removed

IRIDIAN TECHNOLOGIES

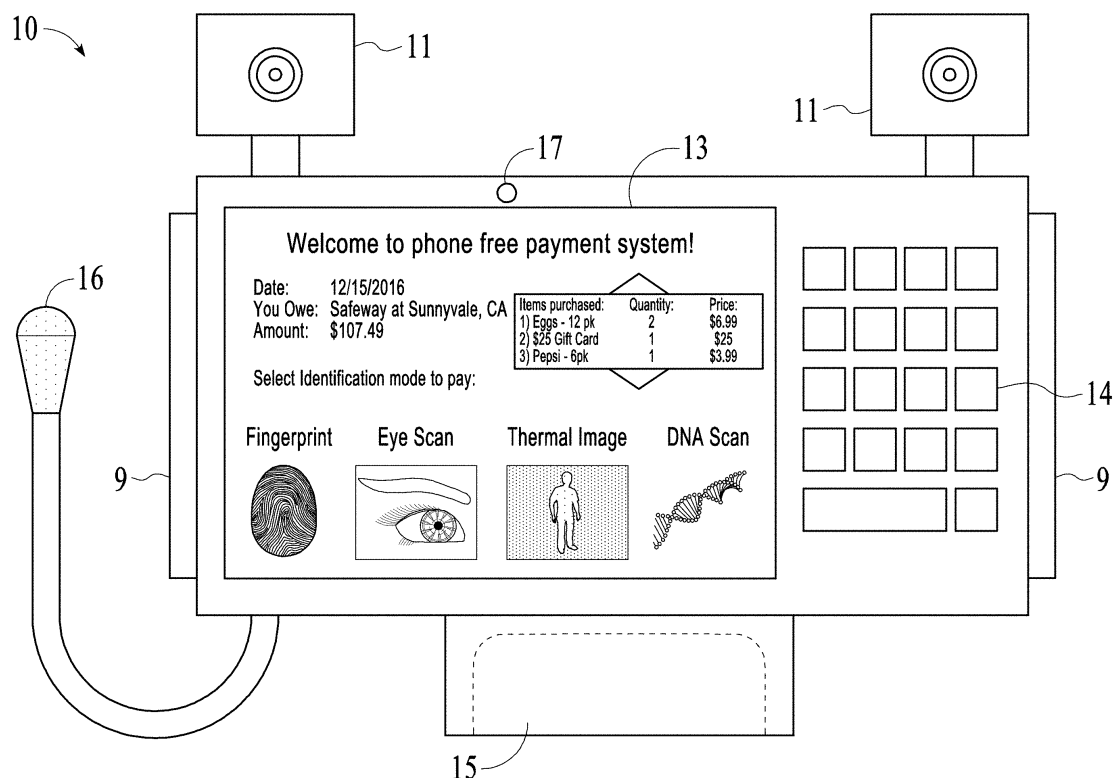
Family 14/21 - FAMPAT - ©Questel

Title

(US10430792)

Transaction device

Images



Publication numbers with kind code & date

US10430792

B2 2019-10-01

US10430792

US20180268413

A1 2018-09-20

US20180268413



IPC - International classification

G06F-021/62; G06Q-020/32; G06Q-020/40; G06Q-020/40; G07C-009/00

Abstract

(US20180268413)

A transaction system stores a biometric identification parameter used by the transaction system to perform transactions. The biometric identification parameter is received from a user and stored in a primary biometric identification parameter data file. The user is assigned a user identification number. A plurality of pieces of the primary biometric identification parameter data file are created. Each piece is assigned a data sequence number different from data sequence numbers assigned to all other pieces and a mathematical operation encryption number. Each mathematical operation encryption number represents a mathematical encryption operation that is different from mathematical encryption operations represented by all other mathematical operation encryption numbers. Each piece is encrypted using a mathematical encryption operation represented by the mathematical operation encryption number assigned to the piece in order to produce a plurality of transformed data pieces. Each transformed data piece in the plurality of transformed data pieces is assigned a transformed data identification number.

Inventors

PHADKE SUJAY ABHAY

PHADKE BINATA ABHAY

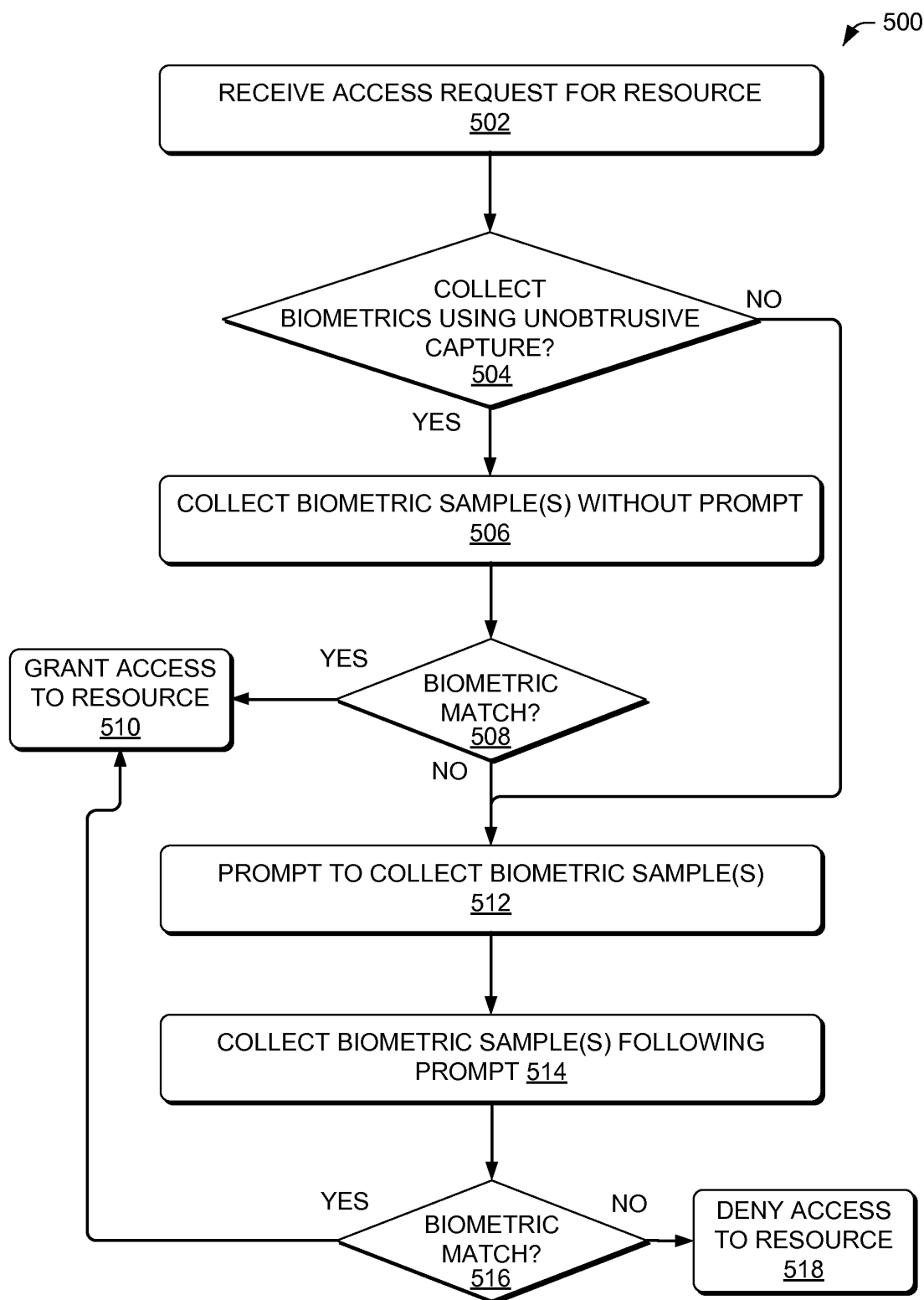
Family 15/21 - FAMPAT - ©Questel

Title

(EP3005211)

Resource management based on biometric data

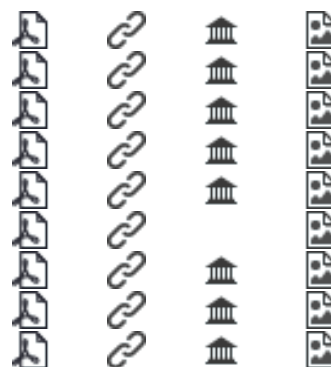
Images



Publication numbers with kind code & date

EP3005211	B1	2019-01-23	EP3005211
CN105308606	B	2018-01-02	CN105308606B
IN7327/CHENP/2015	A	2016-07-01	IN2015CN07327
US9330513	B2	2016-05-03	US9330513
EP3005211	A1	2016-04-13	EP3005211
KR20160014623	A	2016-02-11	KR20160014623
CN105308606	A	2016-02-03	CN105308606
US20140354401	A1	2014-12-04	US20140354401
WO2014/193465	A1	2014-12-04	WO2014193465

IPC - International classification



G06F-021/32; G06K-009/00; G07C-009/00

Abstract

(EP3005211)

The techniques and systems disclosed herein pertain to preventing unauthorized access to computing resources by unauthorized persons by deploying biometric security. To implement biometric security, the computing device, possibly by the OS, may obtain samples of one or more biometric factors unique to the owner. The computing device may construct pattern-matching templates corresponding to the biometric samples, which may be stored for later use when a protected resource is requested. Computing resources may be selected for protection by a biometric security mechanism by an authorized user or by other techniques or default settings. Before allowing certain restricted actions, the OS may request that the user provide one of the previously registered biometric samples. If the biometric sample matches the user's stored pattern-matching template, the OS may grant access to the computing resource, otherwise, the OS may deny access to the computing resource.

Inventors

SONI HIMANSHU

SINGH KARANBIR

BAKER ARTHUR H

BHARADWAJ VIJAY G

PORTER NELLY L

BARHUDARIAN VIOLET ANNA

WOOD JOHN D T

SHIPMAN JEFFREY E

VIEGAS JEREMY D

Latest standardized assignees - inventors removed

MICROSOFT TECHNOLOGY LICENSING

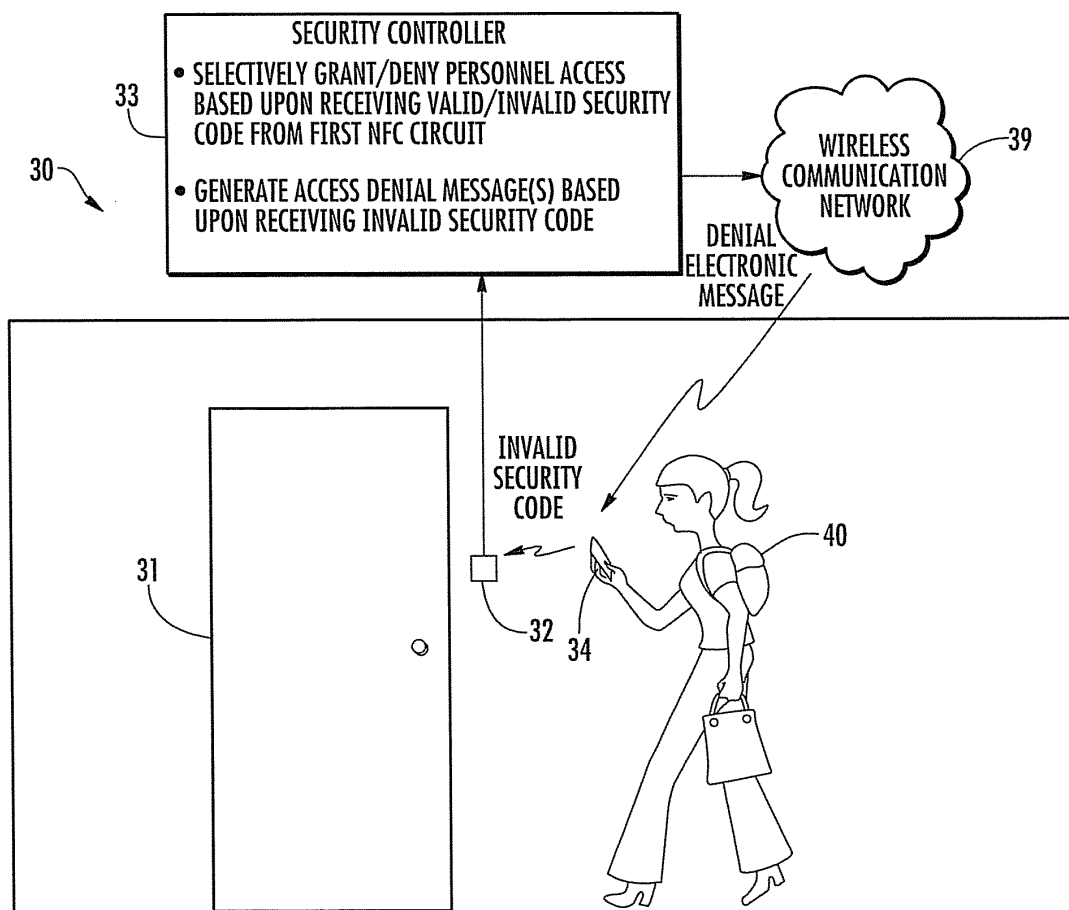
Family 16/21 - FAMPAT - ©Questel

Title

(US8912879)

Security system providing temporary personnel access based upon near-field communication and related methods

Images

**Publication numbers with kind code & date**[US8912879](#)

B2 2014-12-16

US8912879

[US20120075059](#)

A1 2012-03-29

US20120075059

**IPC - International classification**

B60R-025/00; E05B-065/00; G05B-019/00; G06F-015/16; G06F-021/35; G07C-009/00; G08B-013/14; H04L-029/06; H04M-003/42; H04W-004/00; H04W-012/08

Abstract

(US20120075059)

A security system may include a plurality of electronic devices, each having a unique identification (ID) associated therewith and configured to generate a temporary security code based upon the unique ID. The system may further include at least one mobile wireless communications device including a first Near-Field Communication (NFC) circuit, and a mobile controller configured to receive the temporary security code from a given electronic device from among the plurality of electronic devices. The system may also include an access control device associated with a personnel access position and including a second NFC sensor and a security controller. The security controller may be configured to receive the temporary security code from the first NFC sensor via NFC communications, selectively grant personnel access based upon the received temporary security code, and determine the unique ID associated with the given electronic device.

Inventors

FYKE STEVEN HENRY

GRIFFIN JASON TYLER

Latest standardized assignees - inventors removed

BLACKBERRY

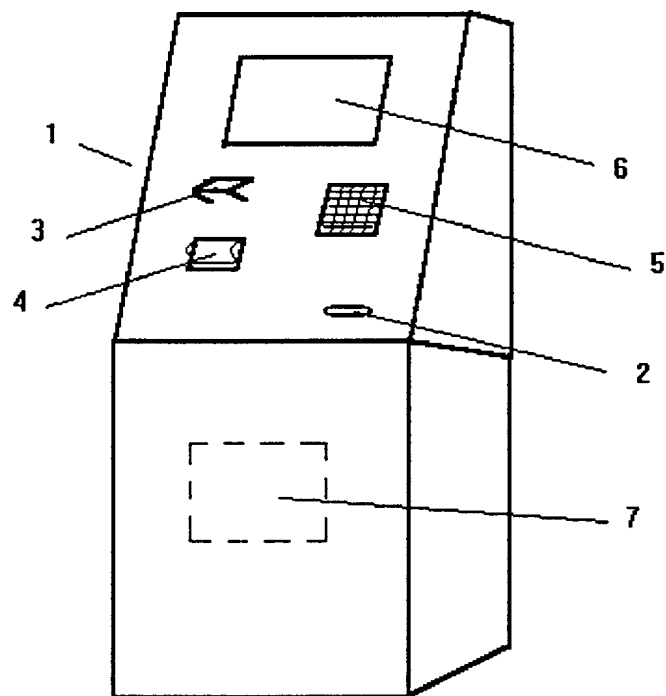
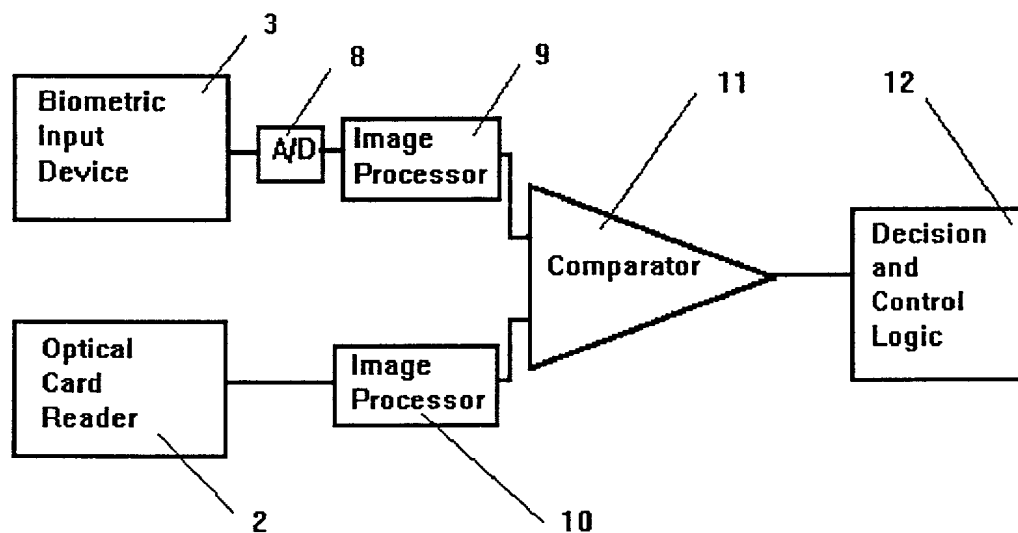
Family 17/21 - FAMPAT - ©Questel

Title

(EP1038255)

Self-service kiosk with biometrics verification and/or registration capability

Images

*Figure 1**Figure 2*

US20010011680	A1	2001-08-09	US20010011680				
IL136320	A	2001-05-20	IL-136320				
EP1038255	A1	2000-09-27	EP1038255				
AU1803199	A	1999-06-28	AU9918031				
CA2311811	A1	1999-06-17	CA2311811				
WO99/30267	A1	1999-06-17	WO9930267				

IPC - International classification

G06Q-010/00; G06Q-040/00; G06T-003/00; G07B-005/00; G07C-009/00; G07D-009/00; G07F-019/00

Abstract

(EP1038255)

A self-service kiosk (1) includes a biometrics data input (3) for inputting biometrics of a user of the kiosk, a reader (2) for recovering biometrics data stored on a portable storage device such as an optical card, the portable storage device also containing information necessary to carry out a transaction, and a controller capable of comparing the input biometrics data with the stored biometrics data and authorizing a transaction based on a result of the comparison. Alternatively, or in addition to the above, the self-service kiosk may include a device for capturing an image of a customer/registrant, a biometrics capture device, and a data input device for enabling registration information to be entered and stored on a portable storage device such as an optical memory card together with the image and/or biometrics data, the portable storage device being dispensed to the customer/registrant immediately upon registration.

Inventors

SOLTESZ JOHN A

KELLER RENEE

Latest standardized assignees - inventors removed

SOLTESZ JOHN A

KELLER RENEE

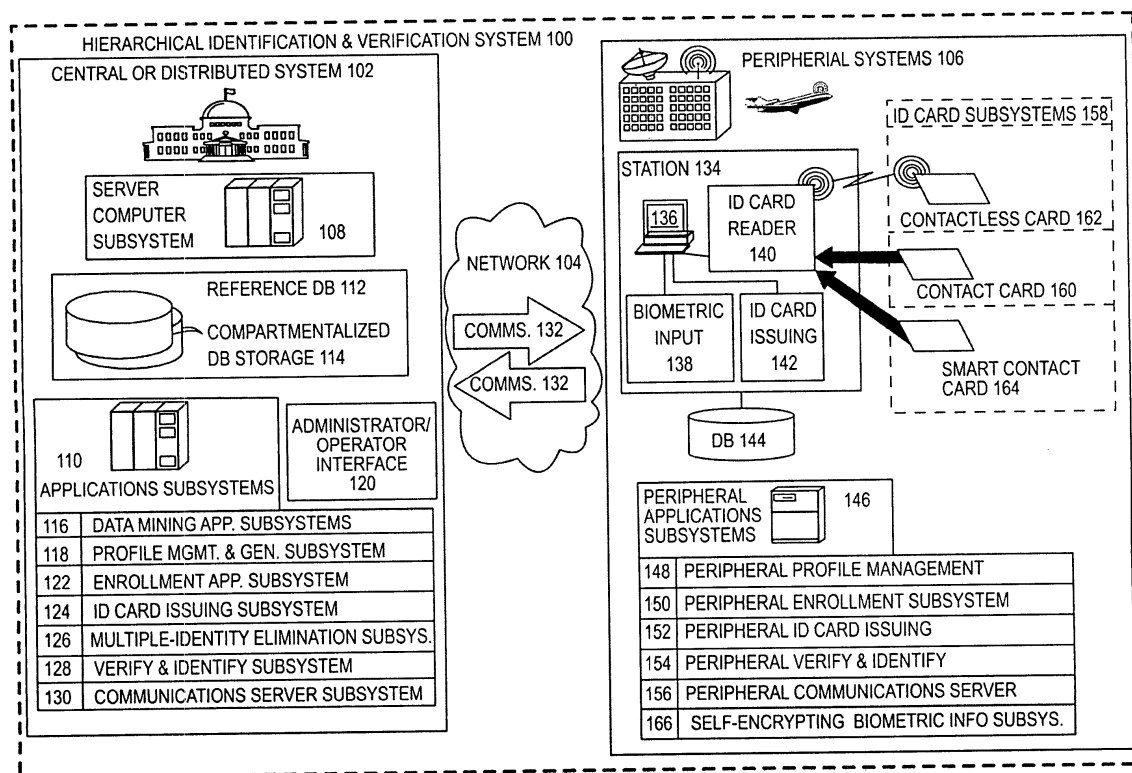
Family 18/21 - FAMPAT - ©Questel

Title

(US20040064453)

Large-scale hierarchical identification and verification for secured ingress and egress using biometrics

Images

**Publication numbers with kind code & date**

US20040064453

A1 2004-04-01

US20040064453

**IPC - International classification**

G06F-007/00; G06F-021/00; G07C-009/00

Abstract

(US20040064453)

A method and a system for verification and identification of individuals using a biometric means and other system-related means that depend on a hierarchical database of stored or acquired information for large-scale population ingress and egress in any secured environment. The identification and verification capability is performed based on multiple and hierarchical profiles which are presented and activated at entry/exit points and are comprised of database parameters related to types of populations per environment, policies, procedures, and controls related to those populations effective at the time of operation; allocated privileges given to members of the end-user population; ID card information that includes biometric information that is self-encrypted; communications environment for the peripheral systems; computing system environment for the peripheral systems; dynamic rules that depend on applications running locally or remotely; and various other parameters related to administrator and user populations.

Inventors

RUIZ ANTONIO

MEYERS JOHN VANCE

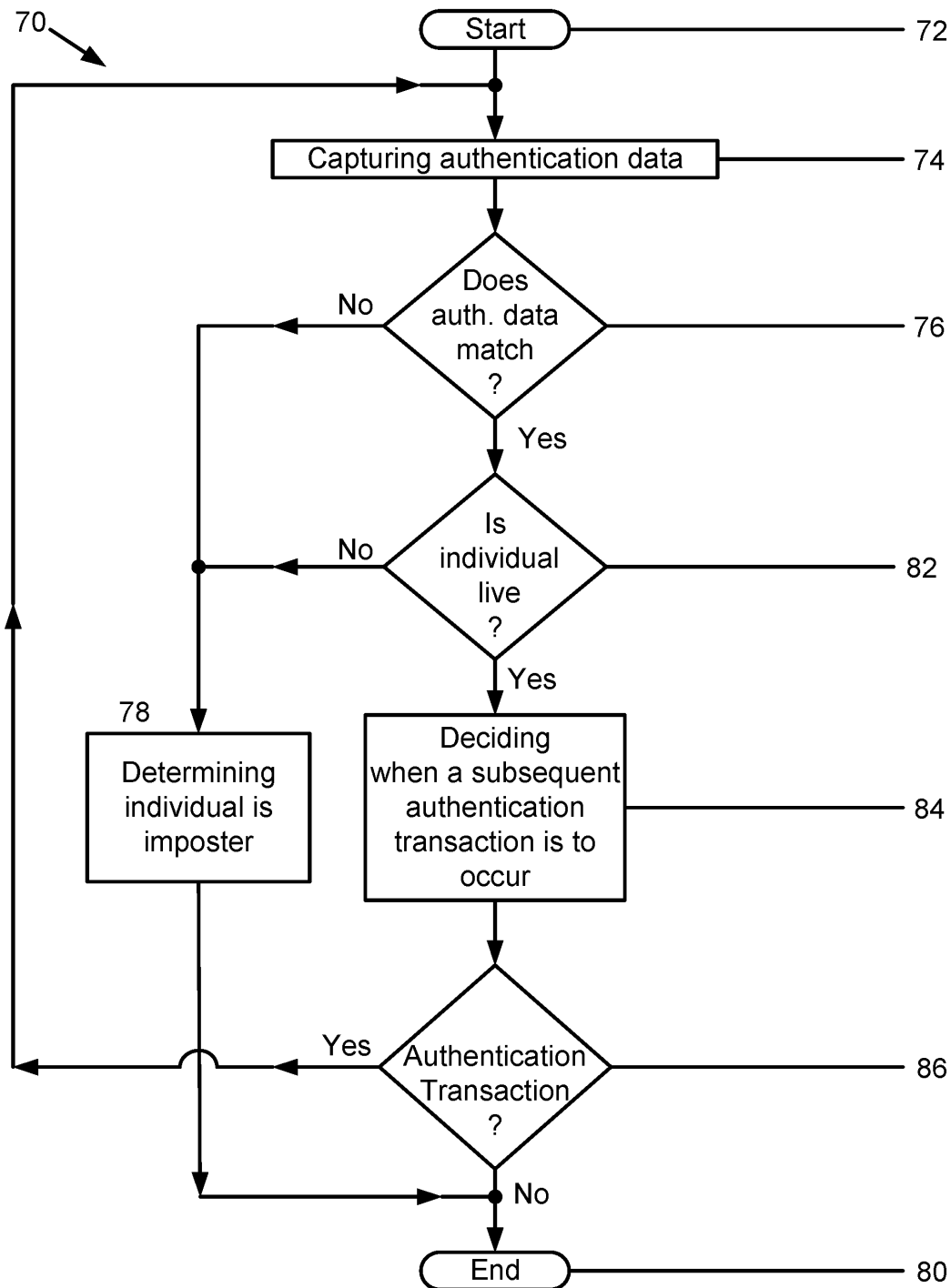
Family 19/21 - FAMPAT - ©Questel

Title

(US20190073461)

Methods and systems for ensuring that an individual is authorized to conduct an activity

Images



Publication numbers with kind code & date

US20190073461	A1	2019-03-07	US20190073461
US10095853	B2	2018-10-09	US10095853
US20170200250	A1	2017-07-13	US20170200250
US9613199	B2	2017-04-04	US9613199
US20160352713	A1	2016-12-01	US20160352713



IPC - International classification

G06F-021/30; G06F-021/32; G06Q-010/02; G06Q-010/06; G06Q-050/26; G06Q-050/30; G07C-009/00; H04L-009/32; H04L-029/06; H04W-012/06

Abstract

(US20190073461)

A method for ensuring that an individual is authorized to conduct an activity is provided. The method includes conducting, using a processor, an authentication transaction with authentication data captured from an individual desiring to conduct an

activity, and determining whether the captured authentication data is legitimate when the individual is successfully authenticated. Moreover, the method includes determining the individual is authorized to conduct the activity when the captured authentication data is legitimate, and conducting, using the processor, a subsequent authentication transaction with authentication data captured from the individual at a subsequent time.

Inventors

GRISSEN THOMAS

PEIRCE MICHAEL

LANGLEY RICHARD JAY

BELONCIK JASON CHRIS

KANE MARK THOMAS

Latest standardized assignees - inventors removed

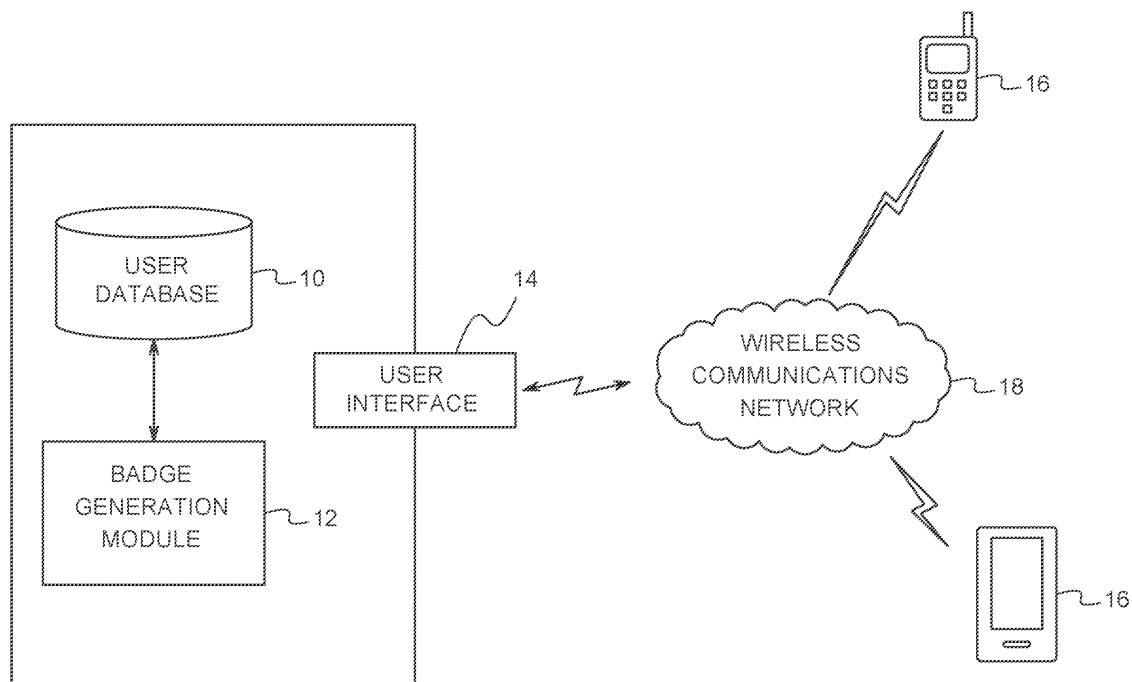
DAON

Family 20/21 - FAMPAT - ©Questel

Title

(US20170337757)

Computer-implemented electronic surveillance system and method

Images**Publication numbers with kind code & date**[US20170337757](#)

A1 2017-11-23

US20170337757

**IPC - International classification**

G06Q-010/02; G06Q-020/32; G07C-009/00; G07C-009/00; H04B-005/00; H04W-004/00

Abstract

(US20170337757)

Disclosed is a computer-implemented electronic surveillance system for allowing a user into a restricted area based on a virtual badge, which is representative of the user. The system comprises a user database listed with a plurality of user details, a badge generation module for generating a virtual badge based on the user details, the generated virtual badge residing within a smart device, an access database comprising a plurality of badge entries listed there within wherein, each badge entry comprising badge information representative of a virtual badge, the user of which has been pre-granted the right to access the restricted area, and an access means associated with the point of access of the restricted area, the access means comprising for upon the smart device being brought proximal thereto, receiving badge information and

allowing the user to access the restricted area in the event of a match.

Inventors

BULLAPPA KANNAKATTI

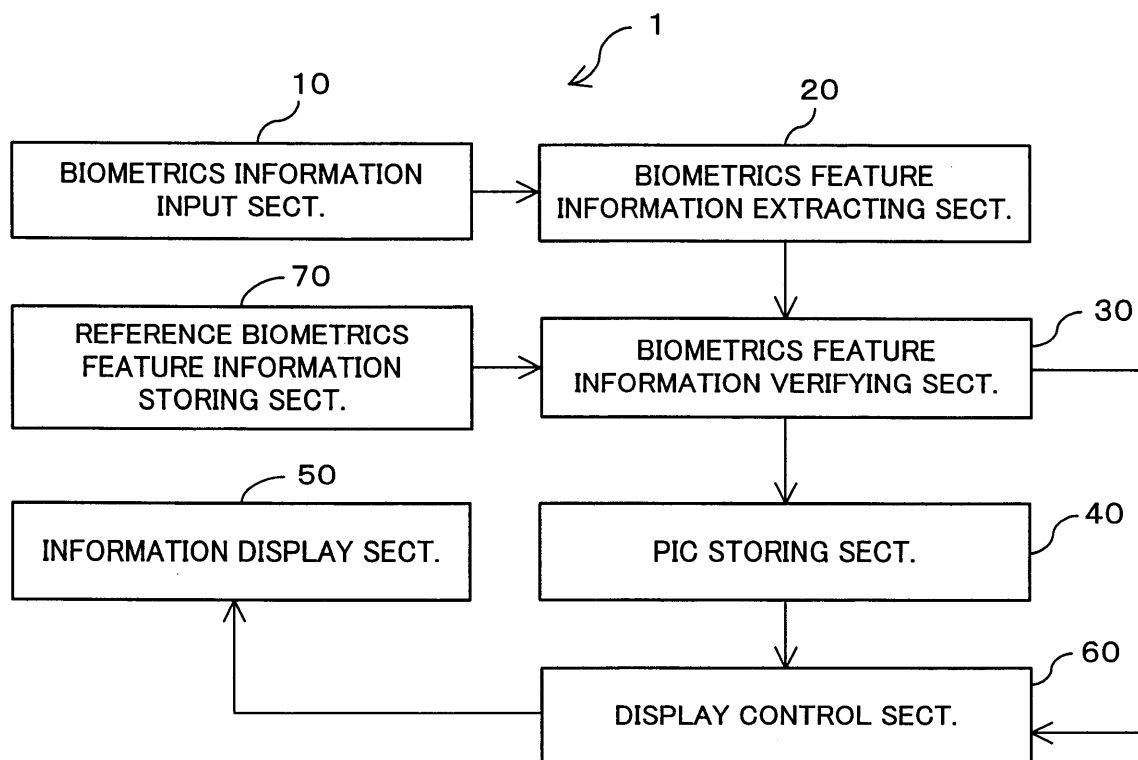
Family 21/21 - FAMPAT - ©Questel

Title

(US6765470)

Mobile electronic apparatus having function of verifying a user by biometrics information

Images



Publication numbers with kind code & date

US6765470	B2	2004-07-20	US6765470
DE10105396	A1	2001-09-20	DE10105396
JP2001236324	A	2001-08-31	JP2001236324
US20010017584	A1	2001-08-30	US20010017584



IPC - International classification

G06F-021/00; G06F-021/20; G06K-009/00; G06K-017/00; G06K-019/10; G07C-009/00; H04L-009/32; H04Q-007/38

Abstract

(US20010017584)

A mobile electronic apparatus in which biometrics information, free from being stolen or faked by a unauthorized person, is used for user verification, virtually perfectly protecting an authorized user's personal data stored in a storing section of the apparatus. A verifying section compares a user's biometrics feature information with the authorized user's reference biometrics feature information to discriminate whether the fingerprint feature information for verification matches the reference fingerprint feature information. If it matches, a display control section reads out the personal data stored in the storing section and controls a display section to display the read-out personal data. The apparatus is useful when applied to a portable telephone, an electronic information terminal, or the like, so long as it has a function of user verification by biometrics information (fingerprint, palmprint, finger shape, hand shape, voiceprint, retina, iris, facial recognition, signature dynamics, blood vessel pattern, key strokes, etc.).

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