

1) Family number: 11709204 (US5953710A)

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Title: CHILDREN'S CREDIT OR DEBIT CARD SYSTEM

Abstract: Methods and credit or debit card systems are disclosed that allow the available credit to be determined by someone other than the card issuer and that allow a limit to be set on the number of expenditures that can be made. The methods and systems can be used to provide a mechanism for supervising credit or debit card usage. Methods and systems are disclosed which include a child's credit card account linked to a parent's credit or debit card account. The parent may change the child's available credit without changing the total combined available credit for the child's and the parent's accounts. In addition, an expenditure counter figure associated with the child's account is disclosed which can be used by the parent to enable the child to make an unlimited number of purchases, a limited number of purchases, or no purchases. The parent may make a single payment for both the child's and the parent's credit card accounts. The methods and systems disclosed may be used outside of the parent/child context whenever supervision is required. They may also be used by a single individual to provide limited credit card usage in less secure environments.

Classifications:

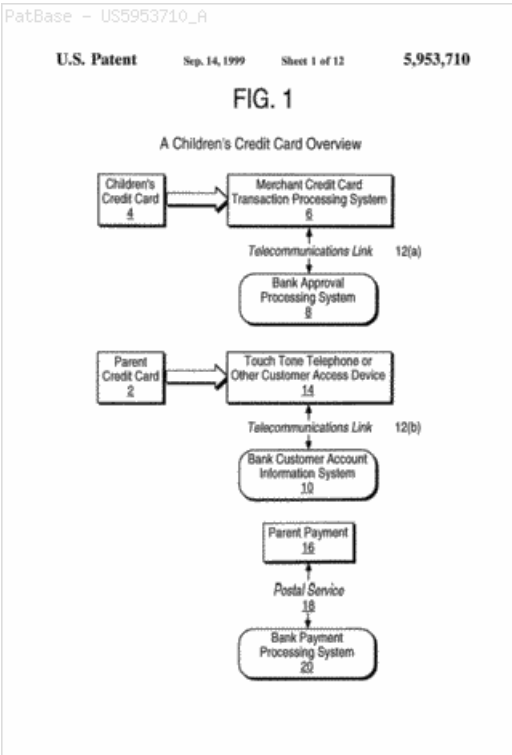
International (IPC 8-9): G06Q20/00 G06Q20/04 G06Q20/10 G06Q20/22 G06Q20/34 G06Q20/38 G06Q20/40 G06Q40/00 G07F7/08 G07F7/10 (Advanced/Invention); G06Q20/00 G06Q40/00 G07F7/08 G07F7/10 (Core/Invention)

International (IPC 1-7): G06F15/30

CPC: G06Q20/04 G06Q20/227 G06Q20/3555 G06Q20/35785 G06Q20/385 G06Q20/385 G06Q20/4037 G06Q20/405 G06Q40/02 G07F7/08 G07F7/1008 G06Q20/10 G06Q40/00 G06Q40/025

European: G06F17/60D G06Q20/04 G06Q20/10 G06Q20/227 G06Q20/3555 G06Q20/35785 G06Q20/385 G06Q20/4037 G06Q20/405 G06Q40/00 G06Q40/02 G06Q40/025 G07F19/00B G07F7/08 G07F7/10D

US: 235/380 705/35 705/38 705/39



Family:

Publication number	Publication date	Application number	Application date
US5953710 A	19990914	US19960727979	19961009

Priority:

US19960727979 19961009

Probable Assignee:

FLEMING STEPHEN S

Assignee(s):

FLEMING STEPHEN S

Inventor(s): (std):

FLEMING STEPHEN S

2) Family number: 30231233 (US2004008514A)

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Title: VEHICLE MEASURING APPARATUS AND METHOD FOR TOLL COLLECTION SYSTEM

Abstract: Vehicle measuring apparatus and method are disclosed to accurately measure height and width of a vehicle moving at a high speed. The vehicle measuring apparatus includes: a plurality of laser sensors separated from the road surface with a predetermined height and installed closely to each other corresponding to width of every roadway on the road, and receiving a reflection light of a laser light emitted onto the road from the plurality of the laser sensors and outputting a vehicle measurement signal; and a processor means electrically connected to the laser sensors and calculating height and width of the vehicle on the basis of the signal to measure the vehicle and previously stored installation information of the plurality of laser sensors.

Classifications:

International (IPC 8-9): G07B15/06 G08G1/015 G08G1/017 G08G1/04 (Advanced/Invention);

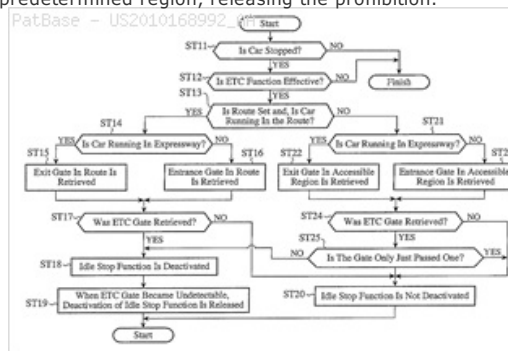
Abstract: An idle stop controller includes an idle stop mechanism **2** controlling the stop and the restart of an engine **1**; a vehicle location detecting section **5** detecting a vehicle location; and a controller **4**, when an ETC gate is retrieved within a predetermined region from a vehicle location detected by the vehicle location detecting section, prohibiting the idle stop mechanism from stopping the engine, and when no ETC gate has been detected within the predetermined region, releasing the prohibition.

International (IPC 8-9): F02D29/02 F02N11/08 G01C21/00 G01C21/26
G06F19/00 G07B15/00 G08G1/09 G08G1/0969 (Advanced/Invention);
G07B15/06 (Advanced/Non-invention)

European: F02D29/02 F02N11/08B2V2 R02N200/123 S07B15/06B

JP F-Term: 2F129 2F129/AA03 2F129/BB03 2F129/CC16 2F129/DD21
2F129/EE02 2F129/EE52 2F129/EE90 2F129/FF10 2F129/HH12 3G093
3G093/BA21 3G093/BA22 3G093/CB01 3G093/DB06 3G093/DB18 5H180
5H181 5H181/AA01 5H181/BB04 5H181/EE10 5H181/FF05 5H181/FF22
5H181/FF32 2F129/GG04 3G093/BA04 3G093/DB05

JP F-Index: F02D29/02/321/A G01C21/00/A G01C21/26/A G08G1/09/F
F02D29/02/321/C



Publication number	Publication date	Application number	Application date
JP2009004751 A1	20100826	JP20090521506T	20080402
JP2012047180 A2	20120308	JP20110231750	20111021
JP4875158 B1	20120215	JP20090521506T	20080402
JP4875158 B2	20120215	JP20090521506T	20080402
JP5300953 B2	20130925	JP20110231750	20111021
US2010168992 AA	20100701	US20080600626	20080402
US8555845 BB	20131015	US20080600626	20080402
WO09004751 A1	20090108	WO2008JP00848	20080402

JP20070177526 20070705 JP20090521506 20080402 WO2008JP00848 20080402
JP20110231750 20111021

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Inventor(s): (std): NAKATA KAZUHIRO ; NAKADA KAZUHIRO

Agent(s): TAZAWA HIDEAKI; HAMADA HATSUNE; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; TAZAWA HIDEAKI ET AL

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 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 LR 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

Abstract: The present invention discloses a bank transaction method linking accounts via common accounts, wherein the existing accounts of the account holder and/or newly opened plural accounts link arbitrarily as defined by the account holder for convenient transactions between account holder's primary account and other's secondary accounts without using account numbers of the concerned accounts. To fulfill, the purpose, the present invention enables the account holder to make transactions on a primary account as well on linked secondary accounts in real time; and the said primary and secondary accounts are also offered for independent transaction as ordinary bank accounts. In addition, the classification and management of the said primary and secondary accounts are attainable through the individual account number with specified account code given by the bank to achieve transactions between the said primary and secondary accounts while implementing the conventional banking system. Furthermore, transaction to the external transaction network including payment gateway can be processed without changing the existing data format, both of account holders' and bank's convenience is maximized.

International (IPC 8-9): G06F17/00 G06K19/00 G06K19/06 G06K5/00
G06Q30/00 G06Q40/00 G06Q40/04 G07D11/00

G07F19/00 (Advanced/Invention);

G06Q40/00 (Advanced/Non-invention)

International (IPC 1-7): G06F17/60

CPC: G06Q20/227 G06Q20/405 G06Q20/10 G06Q40/02 G06Q20/108

G06Q40/00

European: G06Q20/10 G06Q20/227 G06Q20/405 G06Q40/00

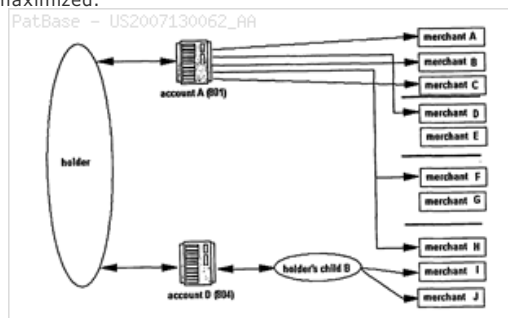
G06Q40/02 G07F19/00

US: 235/379 235/380 235/380P 235/487 235/492 235/493 705/35 705/39

705/39P

JP F-Term: 5B055 5L055 5L055/BB24 5L055/AA23 5L055/B

JP F-Index: G06F17/60/234/N G06Q40/02 G06Q40/02/124



Family:

Publication number	Publication date	Application number	Application date
CN1902657 A	20070124	CN200480040203	20041210
CN1961334 A	20070509	CN200480040204	20041210
EP1695274 A1	20060830	EP20040808381	20041210
EP1695274 A4	20070509	EP20040808381	20041210
EP1695275 A1	20060830	EP20040808383	20041210
EP1695275 A4	20070530	EP20040808383	20041210
IN02129DN2006 A	20070622	IN2006DN02129	20060419
IN02130DN2006 A	00000000	IN2006DN02130	20060419
JP2007510216 T2	20070419	JP20060537902T	20041210
JP2007510217 T2	20070419	JP20060537903T	20041210
KR100439437 B1	20040709	KR20030092845	20031218
KR20040011401 A	20040205	KR20030092845	20031218
RU2006114681 A	20080127	RU20060114681	20041210
RU2006114682 A	20080127	RU20060114682	20041210
RU2336568 C2	20081020	RU20060114682	20041210
RU2337401 C2	20081027	RU20060114681	20041210
TW200741572 A	20071101	TW20060115196	20060428
TW200741573 A	20071101	TW20060115199	20060428
TWI358680 B	20120221	TW20060115196	20060428
US2007130062 AA	20070607	US20040595575	20041210
US2008169344 AA	20080717	US20040595574	20041210
US7665657 BB	20100223	US20040595575	20041210
WO05059794 A1	20050630	WO2004KR03250	20041210
WO05059795 A1	20050630	WO2004KR03252	20041210

Priority:

KR20030092845 20031218 WO2004KR03252 20031218 WO2004KR03250 20041210
WO2004KR03252 20041210 TW20060115196 20060428

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Assignee(s): (std): HUH IN GHOO ; HUH INGHOO ; KHUKH INKHOO ; TEACHIWORLD CO LTD ; TICHIUORLD KO LTD

Assignee(s): TICHIUORLD KO ; TEACHIWORLD CO ; INGHOO HUH ; HUH ING HOO

Inventor(s): (std): HUH INGHOO ; CHA JIN JU ; JUNG YONG UK ; HUH IN GHOO ; HOO HUH ING ; INGHOO HUH ; KHUKH INKHOO

Inventor(s): HUH ING HOO

Agent(s): IPLA PA; LOWE HAUPTMAN HAM AND BERNER 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 KP KZ LC 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

6) Family number: 53663706 (US2014344161A)

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Title: ELECTRONIC MONEY TRANSFER PAYMENT METHOD AND SYSTEM FOR SAME

Abstract: This electronic money transfer system provides an electronic money transfer method and a system for the same which allow handling electronic money in a sense that is very similar to cash, and which allow avoidance of loss of the electronic money even at a time of loss or theft of a terminal for operating the electronic money. To this end, first, information of an electronic certificate for a terminal (A) of a user A is sent from a terminal (B) of a user B to an electronic money management server (300), and information of the electronic certificate for the terminal (B) is sent from the terminal (A) to the electronic money management server (300). Thus, the terminals to perform the transaction are authenticated. Then, requests for a payment/receipt of electronic money is sent from the terminal (A) and the terminal (B) to the electronic money management server (300), based on which requests, the electronic money is transferred from the account of the user (A) to the account of the user (B) within the electronic money management server (300).

Classifications:

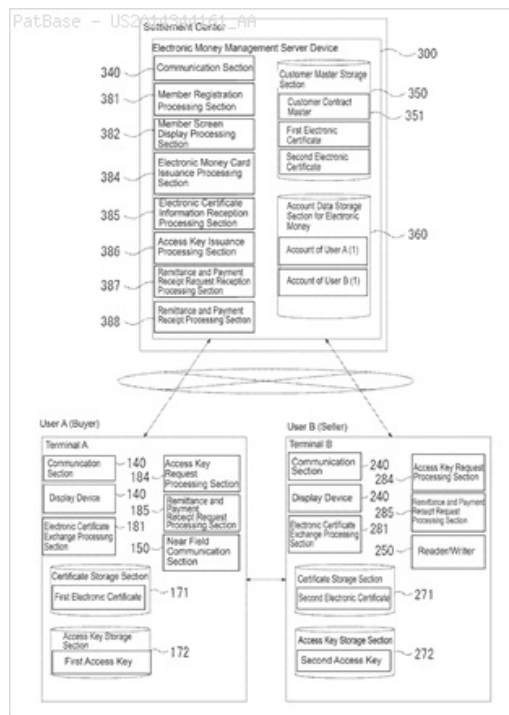
International (IPC 8-9): G06F21/44 G06F21/60 G06Q20/06 G06Q20/10 G06Q20/28 G06Q20/32 G06Q20/38 G06Q20/40 (Advanced/Invention)

CPC: G06Q20/0658 G06Q20/367 G06Q20/10 G06Q20/38215 G06Q20/3223 G06Q2220/00 G06Q20/105 G06Q20/065

US: 705/67

JP F-Term: 5B055 5L055 5L055/AA15 5L055/AA54 5L055/AA64 5L055/AA73 5L055/AA71

JP F-Index: G06Q20/06/120 G06Q20/06/300 G06Q20/28 G06Q20/32 G06Q20/40/100 G06Q20/38/312



Family:

Publication number	Publication date	Application number	Application date
IN00977MN2014 A	20150522	IN2014MN00977	20140522
JP2013061792 A1	20150402	JP20130540720T	20121011
JP2016053991 A2	20160414	JP20150240763	20151210
JP2017084407 A2	20170518	JP20170007150	20170119
JP2018110028 A2	20180712	JP20180040359	20180307
JP2019053770 A2	20190404	JP20180228661	20181206
JP2019083051 A2	20190530	JP20190012629	20190129
JP5856181 B1	20160209	JP20130540720T	20121011
JP6082093 B2	20170215	JP20150240763	20151210
JP6306227 B2	20180404	JP20170007150	20170119
JP6450039 B2	20190109	JP20180040359	20180307
US2014344161 AA	20141120	US20120353678	20121011
WO13061792 A1	20130502	WO2012JP76344	20121011

Priority:

JP20110233596 20111025	JP20130540720 20121011	JP20130540720T 20121011
JP20150240763 20121011	JP20170007150 20121011	JP20180040359 20121011
JP20180228661 20121011	WO2012JP76344 20121011	JP20170007150 20170119
JP20180040359 20180307	JP20180228661 20181206	

Probable Assignee: ISI CORP

Assignee(s): (std): ISI CORP ; SATO MOTONORI

Inventor(s): (std): SATO MOTONORI

Agent(s): YAGUCHI TARO 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 LK LR LS LT LU LV 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

7) Family number: 29289927 (US2006106671A)

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Title: ROAD ROLL COLLECTION SYSTEM

Abstract: A road toll collection system includes a vehicle device for the vehicle-autonomous determination of a road toll for a vehicle within a use billing area. Data required for determining the road toll are transmitted, when required, from an operator control center to the vehicle device by means of a communications device, and the vehicle device determines partial tolls which are incurred continuously for traveled route sections, as well as the total toll for a journey by summing the individual part tolls. When predefined criteria are fulfilled, the vehicle device transmits the currently determined total toll via the communications device to an operator control center for billing.

Classifications:

International (IPC 8-9): G06Q90/00 G07B15/00 G07B15/06 G08G1/09 H04Q9/00 (Advanced/Invention)

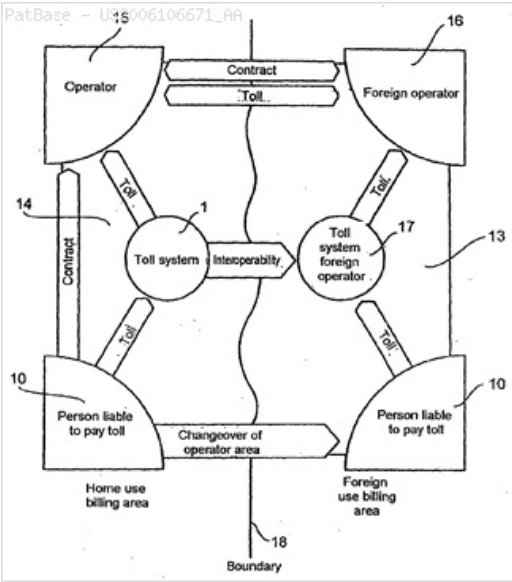
International (IPC 1-7): G07B15/00 G08G1/09

CPC: G07B15/063

European: G07B15/06B

US: 705/13 705/13P

JP F-Term: 3E027 3E027/EA01 3E027/EB02 3E027/EC03 3E027/EC08 3E127 3E127/AA16 3E127/BA11 3E127/CA19 3E127/CA38 3E127/CA59 3E127/DA21 3E127/DA41 3E127/EA03 3E127/EA17 3E127/EA24 3E127/EA32 3E127/EA41 5H180 5H180/AA01 5H180/BB02 5H180/BB04 5H180/BB12 5H180/EE10 5H180/FF05 5H180/FF12 5H180/FF13 5H180/FF27 5H181 5H181/AA01 5H181/BB02 5H181/BB04 5H181/BB12 5H181/EE10 5H181/FF05 5H181/FF12 5H181/FF13 5H181/FF27
JP F-Index: G07B15/00/K G07B15/00/P G07B15/00/510 G08G1/09/E



Family:

Publication number	Publication date	Application number	Application date
AT546802 E	20120315	AT20010986870T	20011213
AU2002238426 AA	20020812	AU20020238426	20011213
AU2002238426 BB	20060706	AU20020238426	20011213
CA2437303 AA	20030731	CA20012437303	20011213
CA2437303 C	20130423	CA20012437303	20011213
CN1518725 A	20040804	CN20018022931	20011213
CY1112836 T1	20160210	CY20121100435T	20120508
CZ20032051 A3	20040414	CZ20030002051	20011213
CZ305818 B6	20160330	CZ20030002051	20011213
DE10104499 A1	20020814	DE20011004499	20010131
DE50116062 D1	20120419	DE20015016062	20011213
DK1358635 T3	20120507	DK20010986870T	20011213
EP1358635 A1	20031105	EP20010986870	20011213
EP1358635 B1	20120222	EP20010986870	20011213
ES2380918 T3	20120521	ES20010986870T	20011213
JP2004524614 T2	20040812	JP20020561782T	20011213
JP4167490 B2	20081015	JP20020561782T	20011213
PL366104 A1	20050124	PL20010366104	20011213
PT1358635 T	20120521	PT20010986870T	20011213
US2006106671 AA	20060518	US20050286433	20051125
US2006200379 AA	20060907	US20050045068	20050131
WO02061691 A1	20020808	WO2001EP14678	20011213

Priority:

DE20011004499 20010131 EP20010986870 20011213 WO2001EP14678 20011213
US20040861425 20040607 US20050045068 20050131 US20050286433 20051125

Probable Assignee: DAIMLER AG

Assignee(s): (std): BIET WERNER ; CIE FINANCIERE ET IND DES AUTOROUTES ; CIE FINANCIERE ET IND DES AUTOROUTES COFIROUTE ; CIE FINANCIERE ET IND DES AUTOROUTES ; CIE FINANCIERE ET IND DES AUTOROUTES S A ; COMPAGNIE FINANCIERE ET INDUSTRIELLE DES AUTOROUTES ; DAIMLERCHRYSLER AEROSPACE AG ; DAIMLER CHRYSLER AG ; DEUTSCHE TELEKOM AG ; DAIMLER AG

Assignee(s): COMPAGNIE FINANCIERE ET INDUSTRIELLE DES AUTOROUTES S A ; FINANCIERE ET INDUSTRIELLE DES AUTOROUTE COFIROUTE COMP SA ; COMPAGNIE FINANCIERE ET INDUSTRIELLE DES AUTOROUTES ; FINANCIERE ET INDUSTRIELLE DES AUTOROUTE COFIROUTE COMP ; FINANCIERE ET INDUSTRIELLE DES AUTOROUTES COFIROUTE COMP SA ; TOLL COLLECT GMBH ; DAIMLERCHRYSLER AG ; FINANCIERE ET INDUSTRIELLE DES AUTOROUTE COFIROUTE ; COMPAGNIE FINANCIERE ET INDUSTRIELLE DES AUTOROUTE COFIROUTE S A

Inventor(s): (std): BIET WERNER ; WERNER BIET

Agent(s): SPRUSON AND FERGUSON; KIRBY EADES GALE BAKER; JENSEN AND SON; RASCH MICHAEL; CROWELL AND MORING LLP, INTELLECTUAL PROPERTY GROUP; CROWELL AND MORING LLP INTELLECTUAL PROPERTY GROUP

Designated states: AT AU BE CA CH CN CY CZ DE DK ES FI FR GB GR HR IE IT JP LI LU MC NL NO NZ PL PT SE SI TR US