Unified Patents Inc.

v.

Universal Secure Registry LLC

Case No. IPR2018-00067
U.S. Patent No. 8,577,813

Patent Owner's Demonstratives

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Overview

Maes + Pare

Maes + Labrou

Pizarro + Pare

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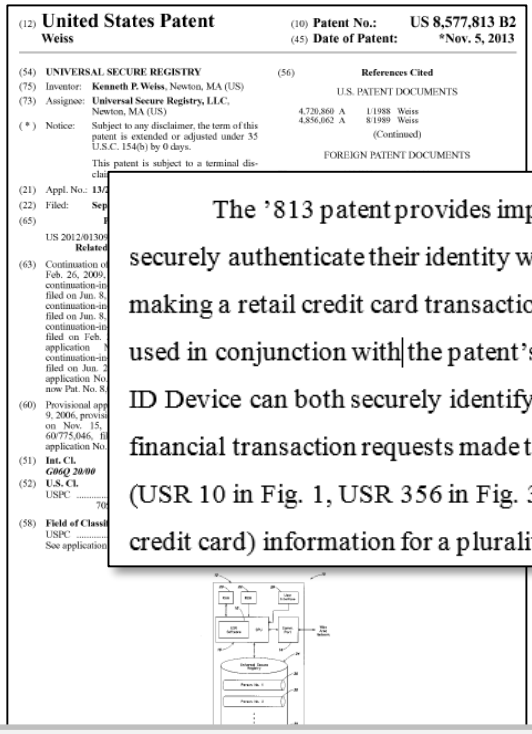
Overview of the ’813 Patent

POR at 4-6.



(12) **United States Patent**
Weiss

(10) **Patent No.: US 8,577,813 B2**
(45) **Date of Patent: *Nov. 5, 2013**

(54) **UNIVERSAL SECURE REGISTRY**
(75) Inventor: **Kenneth P. Weiss**, Newton, MA (US)
(73) Assignee: **Universal Secure Registry, LLC**, Newton, MA (US)
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
This patent is subject to a terminal dis-
(21) Appl. No.: 13/
(22) Filed: Sep
(65)
US 2012/0130
Related
(63) Continuation of
Feb. 26, 2009,
continuation-in
filed on Jun. 8,
continuation-in
filed on Jun. 8,
continuation-in
filed on Feb.
application
continuation-in
filed on Jun. 2
application No.
now Pat. No. 8,
(60) Provisional app
9, 2006, provisi
on Nov. 15,
60/775,046, fi
application No.
(51) **Int. Cl.**
G06Q 20/00
(52) **U.S. Cl.**
USPC
70
(58) **Field of Classi**
USPC
See application

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,720,860 A 1/1988 Weiss
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(Continued)

FOREIGN PATENT DOCUMENTS

The ’813 patent provides improved systems, devices and methods that allow users to securely authenticate their identity when using a “point-of-sale” (“POS”) device; e.g., when making a retail credit card transaction. Ex. 1001 (’813 patent) at Fig. 31, 43:4-51:55. When used in conjunction with the patent’s Universal Secure Registry (“USR”), the claimed Electronic ID Device can both securely identify the user, and separately authenticate and approve the user’s financial transaction requests made through a POS device. *Id.* at 43:4-15, Fig. 31. The USR (USR 10 in Fig. 1, USR 356 in Fig. 31) includes a secure database that stores account (*e.g.*, credit card) information for a plurality of users. *Id.*, 44:39-53.

POR at 4-5.

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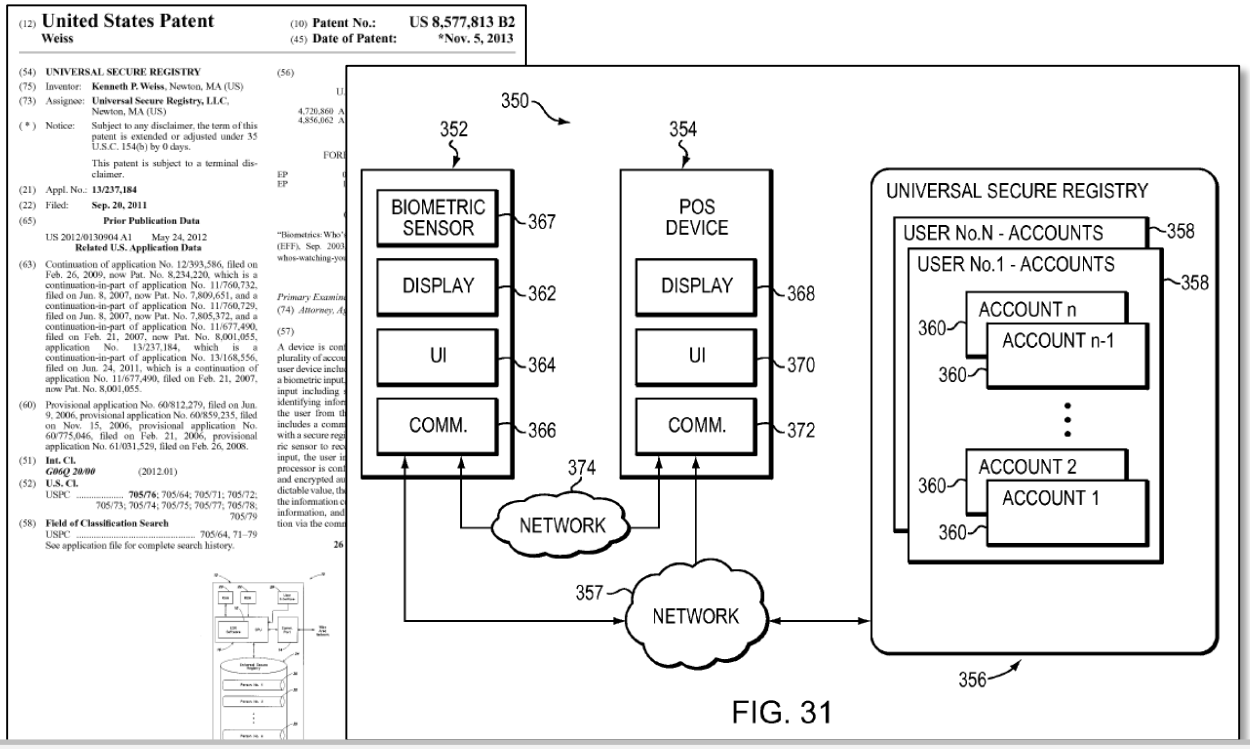
POR at 4-6.



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(21) Appl. No.: **13/237,184**
(22) Filed: **Sep. 20, 2011**
(65) **Prior Publication Data**
US 2012/0130904 A1 May 24, 2012
Related U.S. Application Data
(63) Continuation of application No. 12/393,586, filed on Feb. 26, 2009, now Pat. No. 8,234,220, which is a continuation-in-part of application No. 11/760,732, filed on Jun. 8, 2007, now Pat. No. 7,809,651, and a continuation-in-part of application No. 11/760,729, filed on Jun. 8, 2007, now Pat. No. 7,805,372, and a continuation-in-part of application No. 11/677,490, filed on Feb. 21, 2007, now Pat. No. 8,001,055, application No. 13/237,184, which is a continuation-in-part of application No. 13/168,556, filed on Jun. 24, 2011, which is a continuation of application No. 11/677,490, filed on Feb. 21, 2007, now Pat. No. 8,001,055.
(60) Provisional application No. 60/812,279, filed on Jun. 9, 2006, provisional application No. 60/859,235, filed on Nov. 15, 2006, provisional application No. 60/775,046, filed on Feb. 21, 2006, provisional application No. 61/031,529, filed on Feb. 26, 2008.
(51) **Int. Cl.**
G06Q 20/00 (2012.01)
(52) **U.S. Cl.**
USPC **705/76**; 705/64; 705/71; 705/72; 705/73; 705/74; 705/75; 705/77; 705/78; 705/79
(58) **Field of Classification Search**
USPC 705/64, 71–79
See application file for complete search history.

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A device is cont
plurality of accou
user device inclu
a biometric input,
input including
identifying infor
the user from th
includes a comm
with a secure reg
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processor is conf
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BIOMETRIC SENSOR
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DISPLAY
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UI
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COMM.
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POS DEVICE
DISPLAY
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UI
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COMM.
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374
NETWORK
357
NETWORK
UNIVERSAL SECURE REGISTRY
USER No.N - ACCOUNTS
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USER No.1 - ACCOUNTS
358
ACCOUNT n
360
ACCOUNT n-1
360
ACCOUNT 2
360
ACCOUNT 1
360
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FIG. 31

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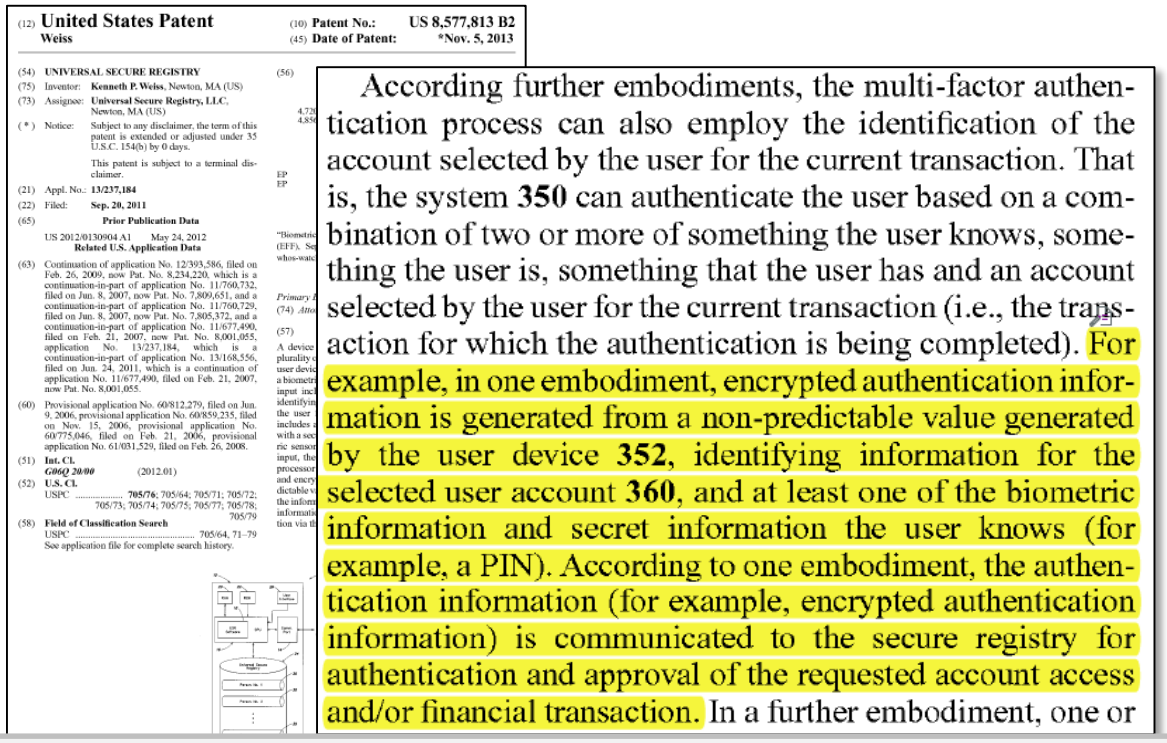

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USPC **705/76**; 705/64; 705/71; 705/72; 705/73; 705/74; 705/75; 705/77; 705/78; 705/79

(58) **Field of Classification Search**
USPC 705/64, 71–79
See application file for complete search history.

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(57)

According further embodiments, the multi-factor authentication process can also employ the identification of the account selected by the user for the current transaction. That is, the system **350** can authenticate the user based on a combination of two or more of something the user knows, something the user is, something that the user has and an account selected by the user for the current transaction (i.e., the transaction for which the authentication is being completed). For example, in one embodiment, encrypted authentication information is generated from a non-predictable value generated by the user device **352**, identifying information for the selected user account **360**, and at least one of the biometric information and secret information the user knows (for example, a PIN). According to one embodiment, the authentication information (for example, encrypted authentication information) is communicated to the secure registry for authentication and approval of the requested account access and/or financial transaction. In a further embodiment, one or

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