



US009202330B2

(12) **United States Patent**
Boucher

(10) **Patent No.:** **US 9,202,330 B2**
(45) **Date of Patent:** **Dec. 1, 2015**

(54) **PORTABLE OBJECT INCLUDING A DISPLAY AND APPLICATION FOR CARRYING OUT ELECTRONIC TRANSACTIONS**

(75) Inventor: **Daniel Boucher**, Quebec (CA)
(73) Assignee: **GEMALTO SA**, Meudon (FR)
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 80 days.

USPC 235/492, 379, 380, 486, 382, 441, 487, 235/451; 705/35, 39, 41, 42, 44, 65, 67, 72, 705/75, 17, 18; 382/115, 116, 119, 124; 455/556.1, 557, 558, 559, 410, 411, 455/66.1, 41.1; 340/5.4, 5.41, 5.42, 5.51, 340/5.52, 5.53, 5.54, 5.8, 5.81, 5.82, 5.83, 340/5.84, 5.85; 713/172, 182-186
See application file for complete search history.

(21) Appl. No.: **13/131,435**
(22) PCT Filed: **Nov. 30, 2009**
(86) PCT No.: **PCT/EP2009/066034**
§ 371 (c)(1), (2), (4) Date: **Aug. 5, 2011**

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,590,038 A * 12/1996 Pitroda 705/41
5,802,325 A 9/1998 Le Roux

(Continued)

(87) PCT Pub. No.: **WO2010/061002**
PCT Pub. Date: **Jun. 3, 2010**

FOREIGN PATENT DOCUMENTS

(65) **Prior Publication Data**
US 2011/0284633 A1 Nov. 24, 2011

EP 0 649 547 B1 6/1997
EP 0 980 053 A2 2/2000
WO 2008080879 A1 * 7/2008

OTHER PUBLICATIONS

(30) **Foreign Application Priority Data**

Nov. 28, 2008 (EP) 08170309

International Search Report (PCT/ISA/210) issued on Mar. 31, 2010, by European Patent Office as the International Searching Authority for International Application No. PCT/EP2009/066034.

(51) **Int. Cl.**
G06Q 20/40 (2012.01)
G06K 19/07 (2006.01)
(Continued)

Primary Examiner — Michael G Lee

Assistant Examiner — Suez Ellis

(74) *Attorney, Agent, or Firm* — Buchanan Ingersoll & Rooney PC

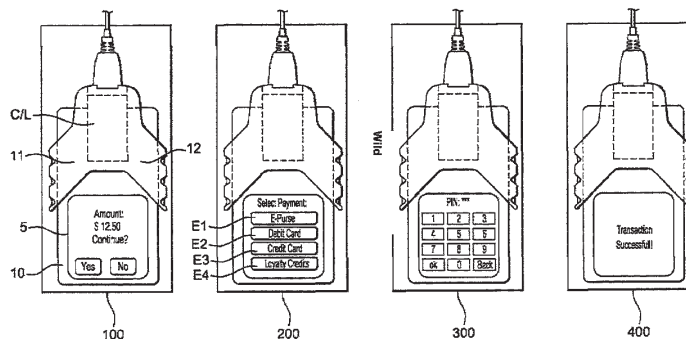
(52) **U.S. Cl.**
CPC **G07F 7/1008** (2013.01); **G06K 19/077** (2013.01); **G06K 19/0718** (2013.01);
(Continued)

(57) **ABSTRACT**

A smart portable object including a safety component and a display, wherein the display is directly or indirectly interactive between a user and the safety component. The smart portable object also relates to implementing an electronic transaction, including a display step for displaying all or some of the information that is useful to a user for the transaction and/or a step of interacting with the user, wherein the display and/or interaction step is carried out via the interactive display.

(58) **Field of Classification Search**
CPC . G06K 7/0013; G06K 7/0021; G06K 7/0026; G06K 7/003; G06K 7/0047; G06K 7/0056; G06K 7/006; G06K 9/00006; G06K 19/0716; G06K 19/0718; G06K 19/07; G06K 19/07707; G06K 19/07743; G06Q 20/206; G06Q 20/341; G06Q 20/4012; G06Q 20/4014; G06Q 20/40145

18 Claims, 3 Drawing Sheets



(51)	<p>Int. Cl. <i>G07F 7/10</i> (2006.01) <i>G06Q 20/34</i> (2012.01) <i>G06K 19/077</i> (2006.01) <i>G06Q 20/12</i> (2012.01) <i>G07F 7/08</i> (2006.01)</p>	<p>6,547,130 B1* 4/2003 Shen 235/380 6,616,035 B2* 9/2003 Ehrensvar et al. 235/380 6,760,014 B1* 7/2004 Liberman 345/169 6,915,957 B2* 7/2005 Kisliakov 235/492 7,440,771 B2* 10/2008 Purk 455/556.1 7,802,728 B2* 9/2010 Kisliakov 235/492 8,820,638 B1* 9/2014 Cotter et al. 235/380 2002/0077974 A1* 6/2002 Ortiz 705/39 2002/0178124 A1* 11/2002 Lewis 705/67 2002/0180584 A1* 12/2002 McGregor et al. 340/5.26 2004/0235450 A1* 11/2004 Rosenberg 455/406 2006/0131393 A1 6/2006 Cok et al. 2007/0027804 A1 2/2007 Vega 2007/0158408 A1* 7/2007 Wang et al. 235/380 2008/0110977 A1* 5/2008 Bonalle et al. 235/380 2008/0126260 A1* 5/2008 Cox et al. 705/67 2008/0223925 A1* 9/2008 Saito et al. 235/380 2009/0173784 A1* 7/2009 Yang 235/380 2009/0307132 A1* 12/2009 Phillips 705/41 2010/0170942 A1* 7/2010 Lo Iacono 235/375 2011/0140841 A1* 6/2011 Bona et al. 340/5.83</p>
(52)	<p>U.S. Cl. CPC <i>G06K19/07703</i> (2013.01); <i>G06K 19/07707</i> (2013.01); <i>G06Q 20/12</i> (2013.01); <i>G06Q</i> <i>20/341</i> (2013.01); <i>G06Q 20/4012</i> (2013.01); <i>G06Q 20/40145</i> (2013.01); <i>G07F 7/0806</i> (2013.01)</p>	
(56)	<p style="text-align: center;">References Cited</p> <p style="text-align: center;">U.S. PATENT DOCUMENTS</p> <p>6,234,389 B1* 5/2001 Valliani et al. 235/380 6,257,487 B1* 7/2001 Hayashida 235/380 6,512,840 B1* 1/2003 Tognazzini 382/119</p>	<p>* cited by examiner</p>

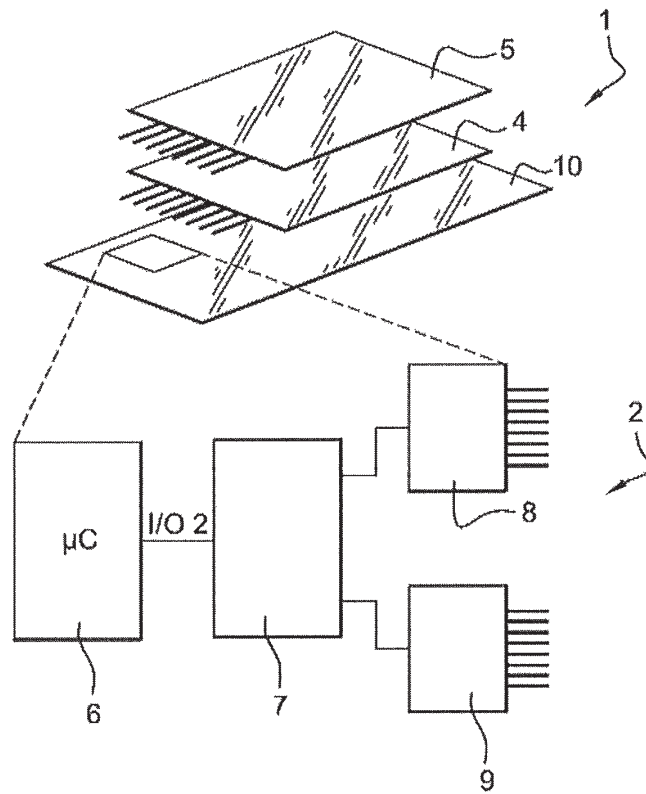


Fig. 1

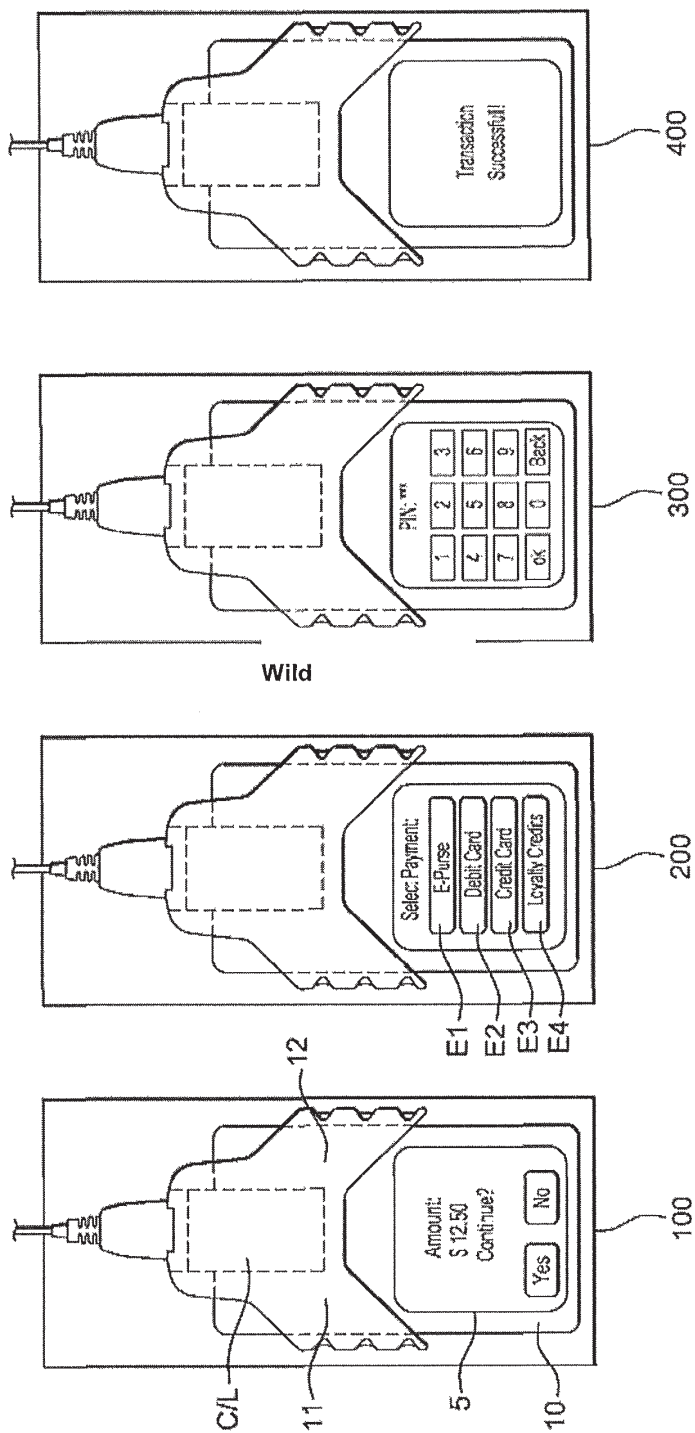


Fig. 2

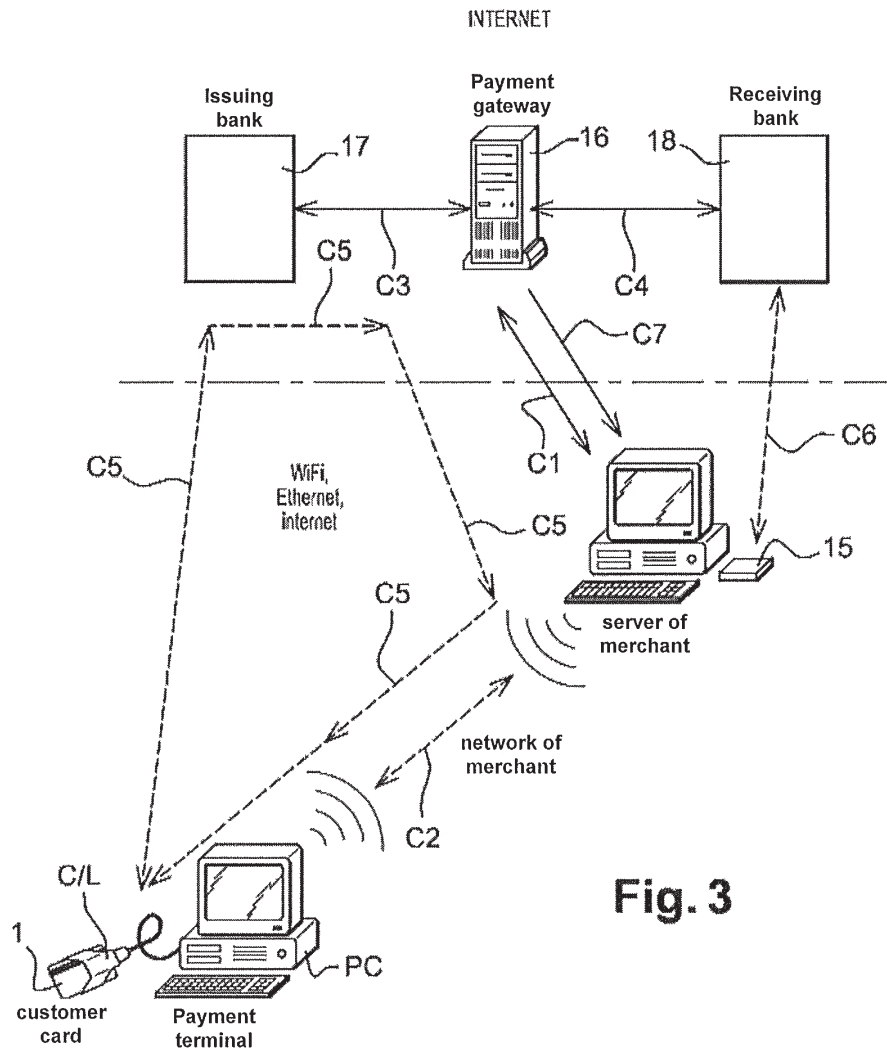


Fig. 3

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.