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(12) **United States Patent**  
**Boucher**

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

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- (\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 80 days.

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See application file for complete search history.

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§ 371 (c)(1), (2), (4) Date: **Aug. 5, 2011**

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- (51) **Int. Cl.**  
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**G06K 19/07** (2006.01)  
(Continued)

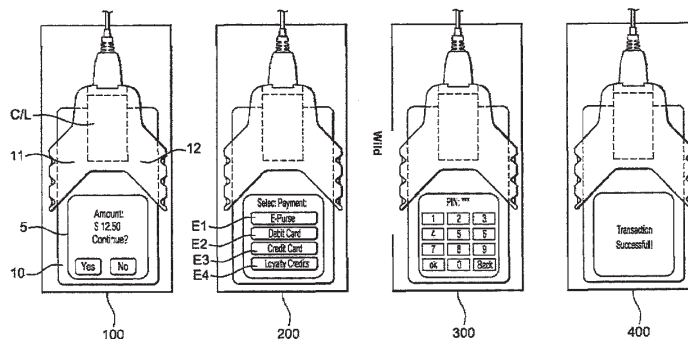
- (52) **U.S. Cl.**  
CPC ..... **G07F 7/1008** (2013.01); **G06K 19/077** (2013.01); **G06K 19/0718** (2013.01);  
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(57) **ABSTRACT**

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.

**18 Claims, 3 Drawing Sheets**



(51)	<p><b>Int. Cl.</b>  <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><b>U.S. Cl.</b>          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>	
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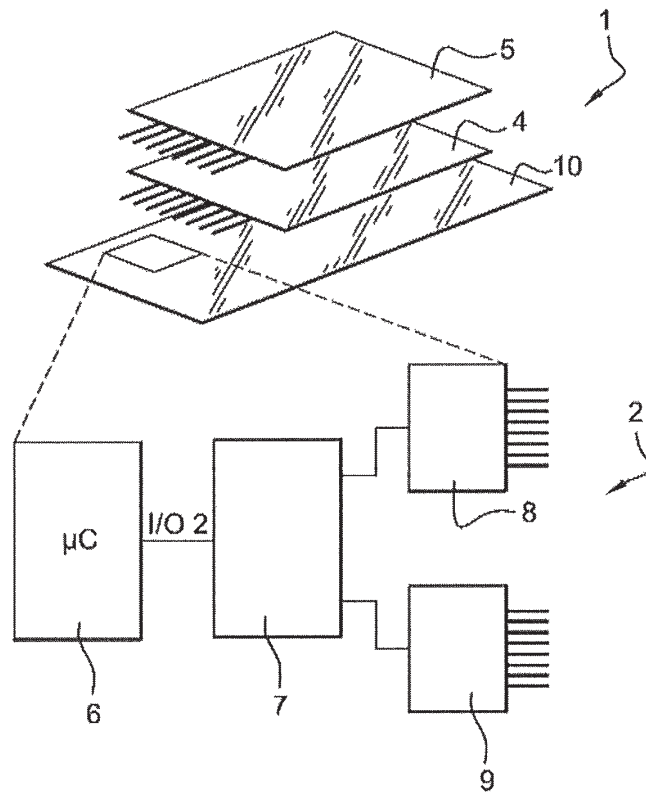


Fig. 1

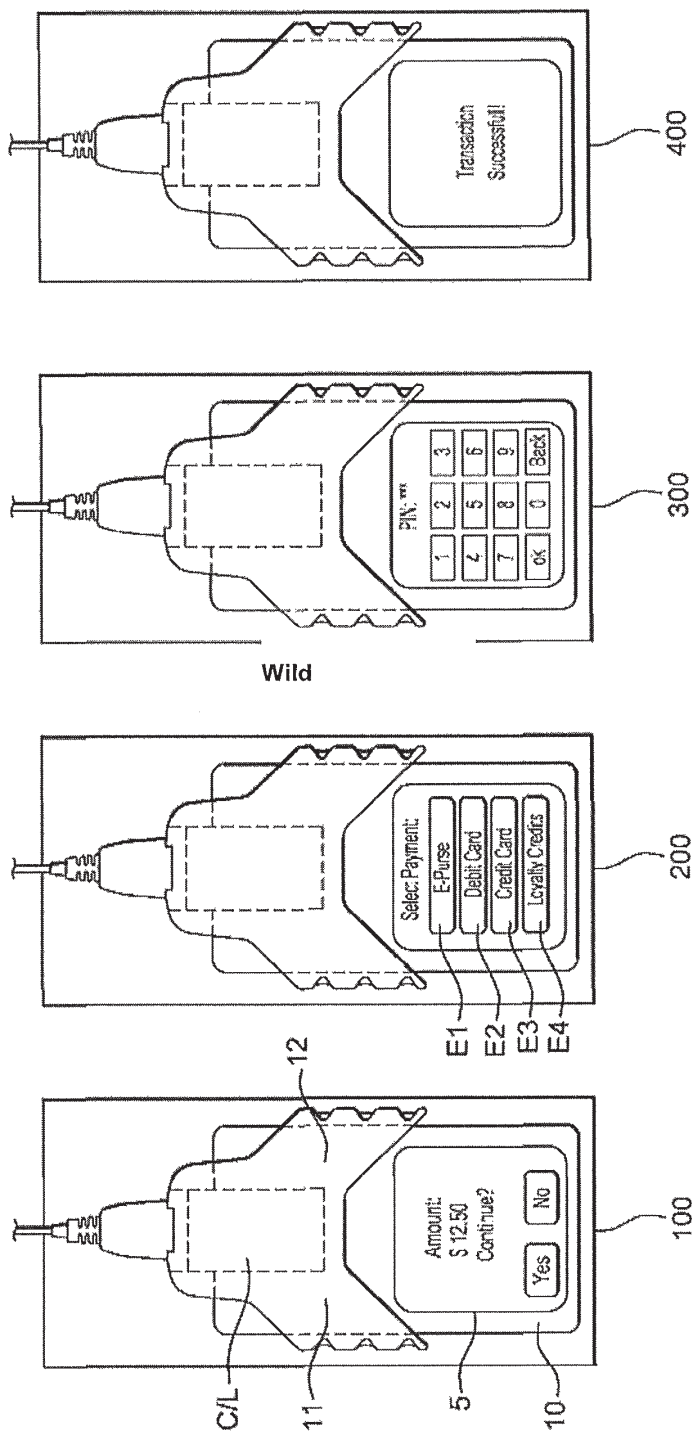


Fig. 2

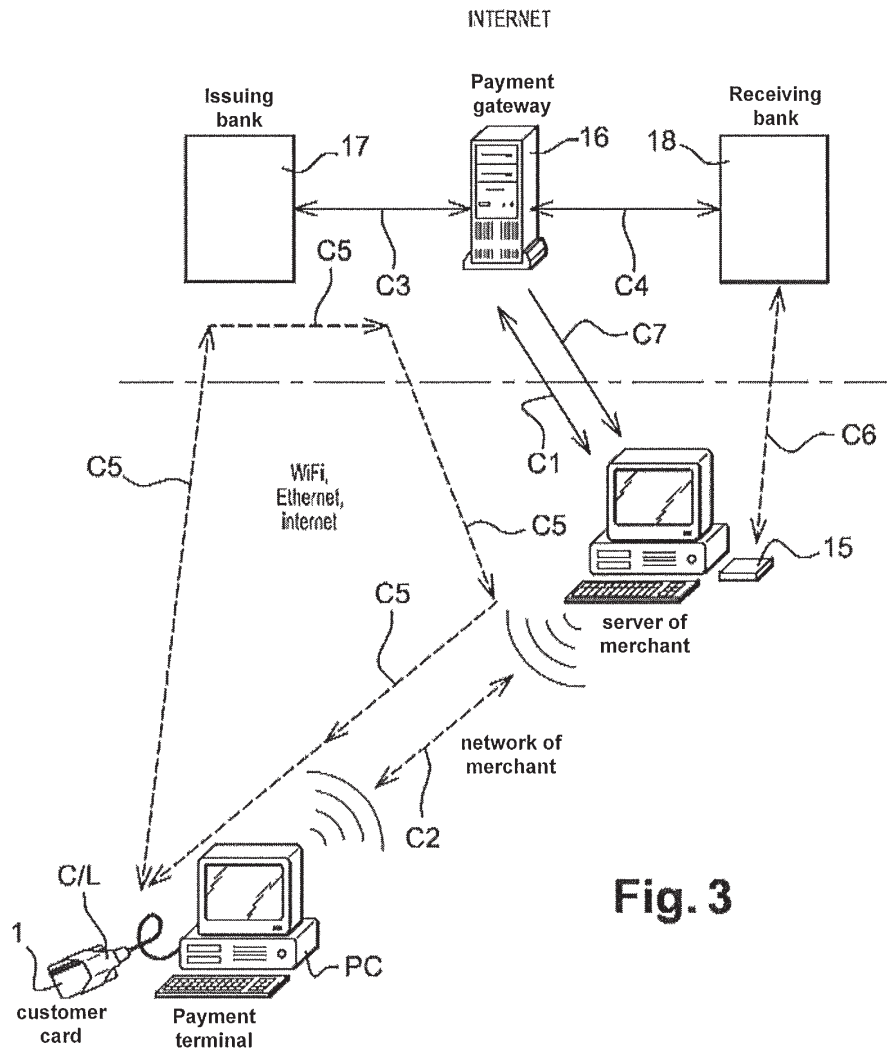


Fig. 3

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