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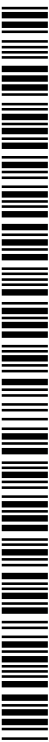
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(54) Title: A PROCESS FOR AUTHENTICATING AN IDENTITY OF A USER

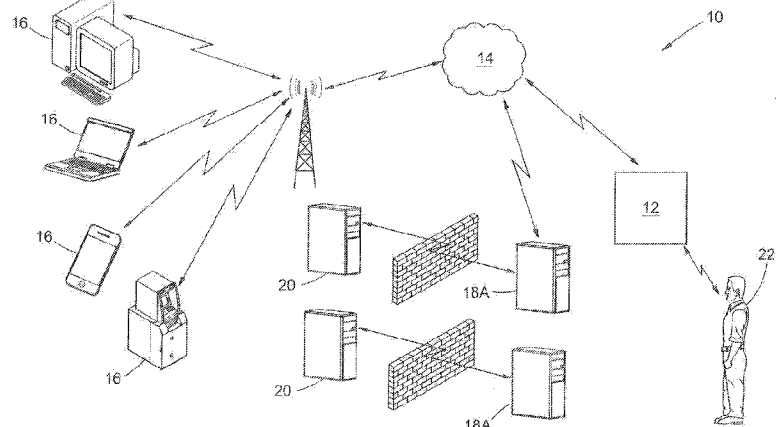


FIGURE 1

(57) Abstract: The invention provides a process for authenticating an identity of a user accessing a location in a secure manner using a communications device that is in direct communication with an independent server and in secondary communication with a second server, the communications device having a user interface and an input module, the process including the steps of hosting device information on the independent server for validation; generating and sending a user prompt from the device to the independent server for validation, and if validated as correct, creating a device ID and transaction ID as indexes to identify the device on the database; generating a randomised keypad on the user interface; inserting and submitting a pass code by way of the randomised keypad; relaying said pass code to the second server; and generating a second validation at the second server, using the pass code and thereby authenticating both user and device,

**INTERNATIONAL SEARCH REPORT**

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<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b>                  IPC: <b>H04L 9/00</b> (2006.01); <b>H04L 9/32</b> (2006.01); <b>H04K 1/00</b> (2006.01); <b>G06F 3/048</b> (2013.01)                  According to International Patent Classification (IPC) or to both national classification and IPC</p>		
<p><b>B. FIELDS SEARCHED</b></p>		
<p>Minimum documentation searched (classification system followed by classification symbols)                  H04L; H04K; G06F; G06Q</p>		
<p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched                  Internet</p>		
<p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)                  WPI; EPODOC; TXTEN; TXTDE; INSPEC; NPL</p>		
<p><b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b></p>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	GB 2338381 A (BARCLAYS BANK PLC) 15 December 1999 (15.12.1999) Abstract; Figs. 1-4 and their associated descriptions; Page 1, line 2 to page 4, line 7; claims 1 to 18	4 1-3, 5-23
X A	US 2002031225 A1 (HINES LARRY LEE) 14 March 2002 (14.03.2002) Abstract; Figs. 1-3 and their associated descriptions; Paragraphs 8-12; Claims 1 to 26	4 1-3, 5-23
A	GB 2388229 A (ROBERT MACALONAN) 05 November 2003 (05.11.2003) See hole GB-Patent Application	1-23
A	US 2011197266 A1 (CHU RONALD KING-HANG et al.) 11 August 2011 (11.08.2011) Abstract; Figs. 1-4 and their associated descriptions; Paragraphs 4-20; Claims 1 to 20	1-23
A	WO 2012009334 A1 (KOPIN CORPORATION) 19 January 2012 (19.01.2012) Abstract; Figs. 1-5 and their associated descriptions; page 1, line 24 - page 4, line 17; Claims 1 to 50	1, 4
<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
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<p>Date of the actual completion of the international search                  25 February 2015 (25.02.2015)</p>		<p>Date of mailing of the international search report                  06 March 2015 (06.03.2015)</p>
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1351467 A2 (MICROSOFT CORPORATION) 08 October 2003 (08.10.2003) Abstract; Fig. 1 and its associated description; Paragraph 9; Claims 1 to 54  0	1, 4

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

PCT / ZA 2014/000026

Patent document cited in search report			Patent family member(s)			Publication date
GB	A	2338381	AU	A	9175798	1999-12-30
			GB	A	2338381	1999-12-15
			DE	U1	29824106	2000-07-13
			JP	A	2002517869	2002-06-18
			CN	A	1266520	2000-09-13
			WO	A1	9964995	1999-12-16
			CA	A1	2299294	1999-12-16
US	A1	2002031225	US	A1	2002031225	2002-03-14
GB	A	2388229	GB	A	2388229	2003-11-05
US	A1	2011197266	US	A1	2011197266	2011-08-11
WO	A1	2012009334	WO	A1	2012009334	2012-01-19
EP	A2	1351467	CN	A	1448861	2003-10-15
			TW	B	I280769	2007-05-01
			US	A1	2006101505	2006-05-11
			CN	A	101136944	2008-03-05
			US	A1	2006117106	2006-06-01
			US	A1	2003188195	2003-10-02
			EP	A2	1351467	2003-10-08
			JP	A	2003308300	2003-10-31