(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 2 574 020 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
04.09.2013 Bulletin 2013/36

(43) Date of publication A2:
27.03.2013 Bulletin 2013/13

(21) Application number: **12184754.5**

(22) Date of filing: **17.09.2012**

(51) Int Cl.:
H04M 1/50 *(2006.01)* ***H04M 3/42*** *(2006.01)*
H04M 1/2745 *(2006.01)* ***H04M 1/275*** *(2006.01)*

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(30) Priority: **23.09.2011 US 201161538370 P**
23.09.2011 US 201161538395 P
23.09.2011 US 201161538443 P
01.11.2011 US 201113286613

(71) Applicant: **Sonic Notify Inc.**
New York, NY 10016 (US)

(72) Inventors:
- **Bell, Alex**
  New York
  New York 10025 (US)
- **Glanz, Jonathan**
  New York
  New York 10001 (US)

(74) Representative: **Somervell, Thomas Richard**
Marks & Clerk LLP
Alpha Tower
Suffolk Street
Queensway
Birmingham
B1 1TT (GB)

(54) System effective to modulate a code and provide content to a user

(57) A system and method effective to provide content to a user. The system may include a sound device, a smart phone, and a processor. The sound device may modulate a code where a first set of frequencies represents a logic 0 and a second set of frequencies represents a logic 1. The smart phone may demodulate the modulated code to reproduce the code. The smart phone may send the code as a query to a processor. The processor may receive the query, determined content associated with the code, and send the content over the network to the smart phone. The smart phone may further receive the content and display the content on a display.

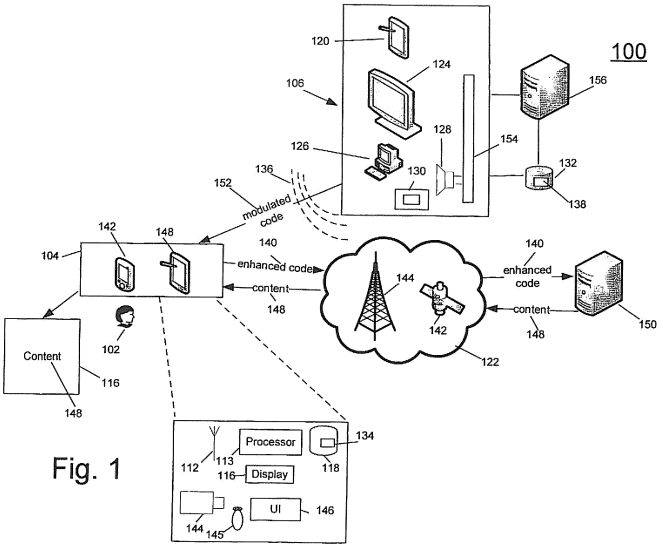

Fig. 1

EP 2 574 020 A3

Europäisches Patentamt
European Patent Office
Office européen des brevets

EUROPEAN SEARCH REPORT

Application Number
EP 12 18 4754

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 02/45273 A2 (SCIENT GENERICS LTD [GB]; JONES ALED WYNNE [GB]; REYNOLDS MICHAEL RAYM) 6 June 2002 (2002-06-06) * page 8, line 5 - page 14, line 3; figures 1,3 * * page 33, lines 2-21; figure 14 * * page 42, line 30 - page 43, line 7 * * page 45, lines 11-28 * * page 52, line 5 - page 52, line 3 * * page 65, lines 19-34 * * page 81, line 19 - page 82, line 12 * * page 85, lines 5-20 *	1-15	INV. H04M1/50 H04M3/42 H04M1/2745 H04M1/275
A	WO 97/31472 A2 (SMART TONE AUTHENTICATION INC [US]) 28 August 1997 (1997-08-28) * abstract; figures 1-2 *	1-15	
A	WO 2004/036880 A1 (VOCERA COMMUNICATIONS INC [US]) 29 April 2004 (2004-04-29) * the whole document *	1-15	
			TECHNICAL FIELDS SEARCHED (IPC) H04M H04B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	18 July 2013	de Biolley, Luc

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 12 18 4754

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-07-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0245273 A2	06-06-2002	AT 411658 T	15-10-2008
		AU 2085802 A	11-06-2002
		CN 1575613 A	02-02-2005
		CN 101282184 A	08-10-2008
		CN 101282541 A	08-10-2008
		CN 101820474 A	01-09-2010
		DK 1340320 T3	23-02-2009
		DK 1928109 T3	27-08-2012
		EP 1340320 A2	03-09-2003
		EP 1928109 A2	04-06-2008
		EP 2288121 A2	23-02-2011
		ES 2315321 T3	01-04-2009
		ES 2388357 T3	11-10-2012
		JP 4880650 B2	22-02-2012
		JP 2004531103 A	07-10-2004
		JP 2008219909 A	18-09-2008
		JP 2009027722 A	05-02-2009
		JP 2011061766 A	24-03-2011
		US 2004137929 A1	15-07-2004
		US 2010240297 A1	23-09-2010
		WO 0245273 A2	06-06-2002
WO 9731472 A2	28-08-1997	AU 2055997 A	10-09-1997
		CA 2247170 A1	28-08-1997
		EP 0882350 A2	09-12-1998
		JP 2000505617 A	09-05-2000
		US 5907597 A	25-05-1999
		US 5949874 A	07-09-1999
		US 6014441 A	11-01-2000
		WO 9731472 A2	28-08-1997
WO 2004036880 A1	29-04-2004	AU 2003265854 A1	04-05-2004
		CA 2497769 A1	29-04-2004
		EP 1540925 A1	15-06-2005
		US 2004127210 A1	01-07-2004
		WO 2004036880 A1	29-04-2004

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82