



(51) International Patent Classification:
H04B 5/00 (2006.01)

(21) International Application Number:
PCT/IB2010/050454

(22) International Filing Date:
2 February 2010 (02.02.2010)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FI-02150 Espoo (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GREUET, Jean-Baptiste** [FR/DE]; Johannes Mysunger Weg 11, 89075 Ulm (DE).

(74) Agent: **STYLE, Kelda Camilla Karen**; Page White & Farrer, Bedford House John Street, London Greater London WC1N 2BF (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

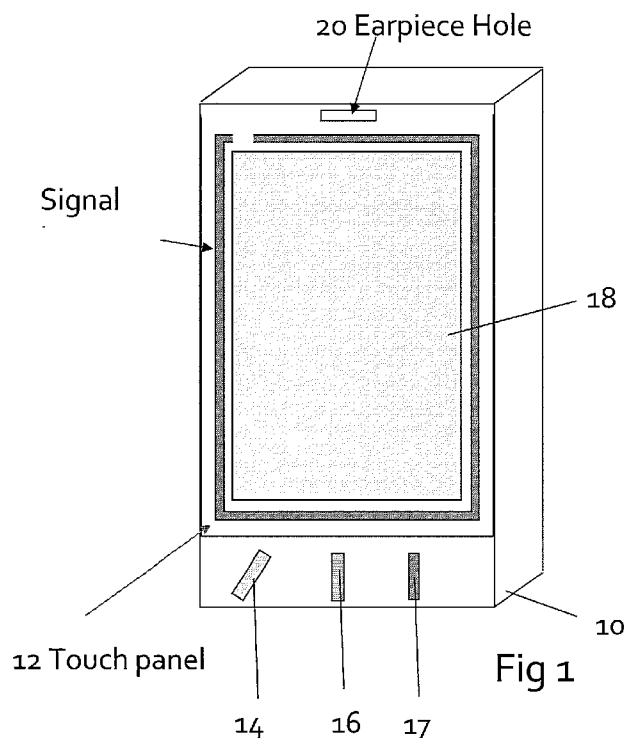
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR MAGNETIC FIELD INDUCTION PORTABLE DEVICES



(57) Abstract: An apparatus comprising a display component comprising at least one display part and an electrically conductive part electrically isolated from the at least one display part.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
18 December 2014

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2010/050454

A. CLASSIFICATION OF SUBJECT MATTER

IPC: see extra sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04R, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1271899 A1 (NOKIA CORPORATION), 2 January 2003 (02.01.2003), figures 1,3, claims 1,15, paragraphs (0017)-(0019)	1-5,7-11, 13-15
Y	--	6
Y	US 20050281425 A1 (GREUET ET AL), 22 December 2005 (22.12.2005), paragraph (0019)	6
	--	
A	US 6456883 B1 (TORGERSON ET AL), 24 Sept 2002 (24.09.2002), column 3, line 18 - line 30	8-9
	--	

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

12 October 2010

Date of mailing of the international search report

14-10-2010

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Jesper Bergstrand / JA A
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2010/050454

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20040098068 A1 (CARBUNARU ET AL), 20 May 2004 (20.05.2004), paragraph (0070) --	7
A	US 5771438 A (PALERMO ET AL), 23 June 1998 (23.06.1998), whole document --	1-15
A	WO 9824215 A1 (ERICSSON INC.), 4 June 1998 (04.06.1998), whole document --	1-15
A	EP 1903755 A2 (SAMSUNG ELECTRONICS CO., LTD.), 26 March 2008 (26.03.2008), paragraph (0021) -- -----	13,15

International patent classification (IPC)**H04B 5/00** (2006.01)**Download your patent documents at www.prv.se**

The cited patent documents can be downloaded:

- From "Cited documents" found under our online services at www.prv.se (English version)
- From "Anförda dokument" found under "e-tjänster" at www.prv.se (Swedish version)

Use the application number as username. The password is **BZBYUFGUKR.**

Paper copies can be ordered at a cost of 50 SEK per copy from PRV InterPat (telephone number 08-782 28 85).

Cited literature, if any, will be enclosed in paper form.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2010/050454

EP	1271899	A1	02/01/2003	US	20030003864 A	02/01/2003
US	20050281425	A1	22/12/2005	NONE		
US	6456883	B1	24/09/2002	DE	10117241 A	15/11/2001
US	20040098068	A1	20/05/2004	NONE		
US	5771438	A	23/06/1998	AT	255300 T	15/12/2003
				CA	2221364 A	21/11/1996
				CN	1178406 C	01/12/2004
				CN	1190506 A	12/08/1998
				DE	69630894 D,T	02/09/2004
				EP	0872032 A,B	26/11/2003
				JP	11505395 T	18/05/1999
				MX	9708893 A	31/03/1998
				US	5912925 A	15/06/1999
				WO	9637052 A	21/11/1996
WO	9824215	A1	04/06/1998	AU	5463098 A	22/06/1998
				US	5991420 A	23/11/1999
EP	1903755	A2	26/03/2008	CN	101166328 A	23/04/2008
				KR	20080021881 A	10/03/2008
				US	20080056519 A	06/03/2008