



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**08.04.2009 Bulletin 2009/15**

(51) Int Cl.:  
**H04R 1/10 (2006.01)**

(43) Date of publication A2:  
**12.09.2007 Bulletin 2007/37**

(21) Application number: **06120957.3**

(22) Date of filing: **20.09.2006**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR**  
Designated Extension States:  
**AL BA HR MK RS**

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(30) Priority: **09.03.2006 CN 200610059595**

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(54) **An earphone storage structure**

(57) the present invention provides an earphone storage structure comprising a necklace, two fasteners formed in the two ends of the necklace respectively and a stopper formed in the necklace. The size of the fasten-

ers is less than the size of the stopper and the size of the earphones. Therefore, the earphone may couple with the necklace with the fasteners fastening the earphones. Moreover, the stopper and the fasteners may together determine the extendable distance of the earphones.

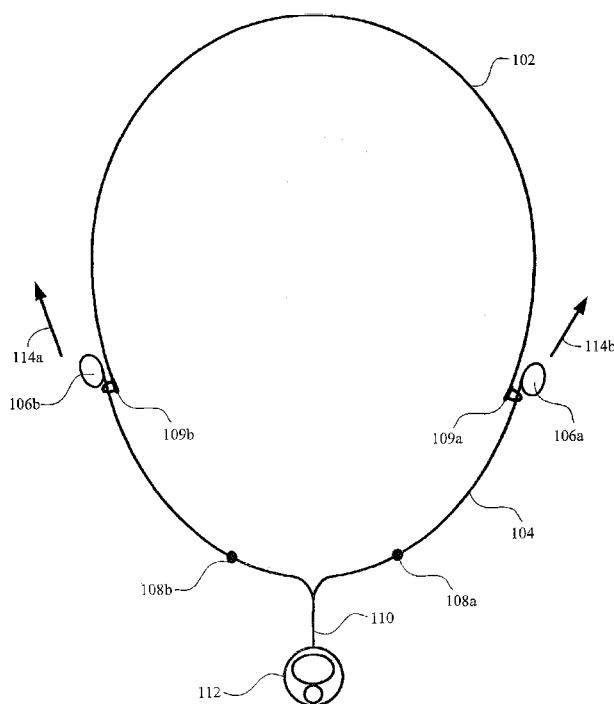


Fig. 1A



## EUROPEAN SEARCH REPORT

Application Number  
EP 06 12 0957

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 03/103255 A (NOKIA CORP [FI]; JAAKKOLA MIKAEL [FI]; SAEILAE SAMI [FI]) 11 December 2003 (2003-12-11)	1,2,4-6, 8,9, 11-13	INV. H04R1/10
Y	* page 1, line 4 - line 9 *  * page 3, line 7 - line 21 * * page 5, line 1 - line 7 * * page 6, line 22 - line 25 * * page 9, line 23 - page 13, line 26 * * figures 1-4 *	3,7,10, 16	
X	JP 2002 016995 A (NIPPON ELECTRIC CO) 18 January 2002 (2002-01-18)	8,9, 11-13	
A	* abstract; figures 1-4 * * paragraphs [0001], [0005], [0006], [0011], [0012], [0015] - [0019], [0022], [0023], [0025] *	1,2,4-6	
X	JP 10 155192 A (WADA KENJI) 9 June 1998 (1998-06-09)	8,9,11, 12	
Y	* abstract; figures 1-3 * ----- JP 2002 171326 A (SAMOTO TOMOYUKI) 14 June 2002 (2002-06-14)	3,7,10, 16	H04R H04M A44C
Y	* abstract; figures 1-3 * ----- EP 1 333 649 A (SONY INT EUROP GMBH [DE]) 6 August 2003 (2003-08-06)	3,7,10, 16	
A	* abstract; claim 4; figures 1-3 * * paragraphs [0020], [0025] - [0028], [0030], [0031] * ----- JP 2001 231087 A (AIWA CO) 24 August 2001 (2001-08-24)	1,2,4,6, 8,9,11, 13	
	* abstract; figures 1,2,5 * ----- -/-		
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 27 February 2009	Examiner Scappazzoni, E
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03/02 (P04C01)



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Application Number  
EP 06 12 0957

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 211 872 A (NOKIA CORP [FI]) 5 June 2002 (2002-06-05) * the whole document *	1	
A	DE 20 2004 016147 U1 (BEUTNAGEL JEANETTE [DE]) 13 January 2005 (2005-01-13) * the whole document *	14,15	
P,X	DE 20 2005 016624 U1 (KUO CHIN CHANG [TW]) 9 March 2006 (2006-03-09) This document may be relevant for national rights * abstract * * paragraphs [0014], [0017], [0018]; figures 3-5,3A,5A *	1,2,4,8,9,11	
L	TW 288 575 B (HIGH TECH COMP CORP [TW]) 11 October 2007 (2007-10-11) * the whole document * & US 2007/160252 A1 (WANG JOHN C [TW] ET AL) 12 July 2007 (2007-07-12) This document has the priority of TW288575, both with the same applicant as the present application. The subject-matter disclosed in this US application is the same as the present application. The filing date of TW288575 earlier than the priority date of the present application. This fact is however allowable as Taiwan was not member of the Paris Convention at the time of the filing date of the present application (see Art. 87 EPC 1973, 2000 - Decision of the Administrative Council of 28 June 2001, Art.1.1). * the whole document *	1-16	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
Place of search The Hague		Date of completion of the search 27 February 2009	Examiner Scappazzoni, E
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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 12 0957

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  
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27-02-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03103255 A	11-12-2003	AU 2003233824 A1	19-12-2003
		DE 20380240 U1	17-02-2005
		FI 5924 U1	05-09-2003
JP 2002016995 A	18-01-2002	JP 3596601 B2	02-12-2004
JP 10155192 A	09-06-1998	NONE	
JP 2002171326 A	14-06-2002	NONE	
EP 1333649 A	06-08-2003	US 2003224839 A1	04-12-2003
JP 2001231087 A	24-08-2001	NONE	
EP 1211872 A	05-06-2002	GB 2369742 A	05-06-2002
		US 2002065115 A1	30-05-2002
DE 202004016147 U1	13-01-2005	NONE	
DE 202005016624 U1	09-03-2006	NONE	
TW 288575 B	11-10-2007	US 2007160252 A1	12-07-2007
US 2007160252 A1	12-07-2007	TW 288575 B	11-10-2007

EPO FORM P0459

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