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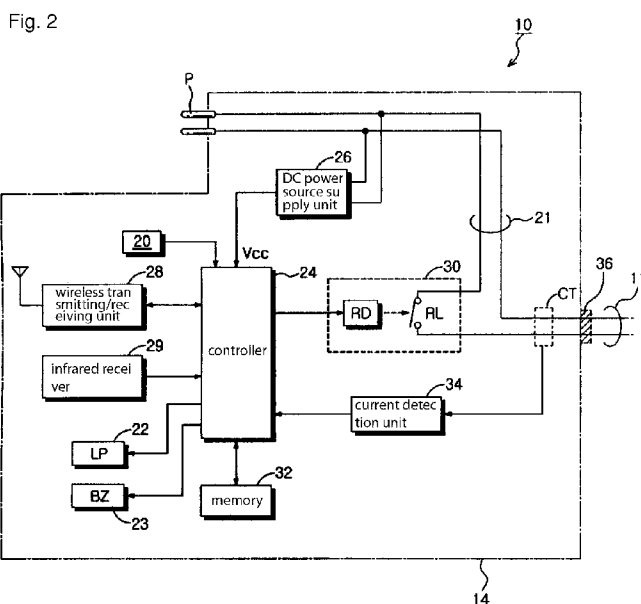
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(54) Title: PLUG DEVICE



(57) Abstract: The present invention relates to a plug device, which can control the power source of an electrical product using a plug of the electrical product. The plug device includes a plug control circuit unit embedded in a plug main body of an electrical product, which is inserted in a power source outlet. The plug control circuit unit includes a switching unit coupled to internal power source lines of the plug control circuit unit, a current detection unit for detecting a current flowing from the internal power source lines to the electrical product, a wireless unit for receiving an external plug control wireless signal, and a controller for checking a current value corresponding to a non-operation of the electrical product and controlling the switching unit to switch on or off according to the checking result.

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A. CLASSIFICATION OF SUBJECT MATTER**H01R 13/02(2006.01)i**

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 8 : H01R

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

PAJ, FPD, USPAT, eKIPASS, IEEB, YAHOO, GOOGLE , Keyword: "planar speaker, eching, echant, foil"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 200428011 Y1 (IM JAE-KEUN) 04 October 2006 See Page 2 Lines 35-42, Figures 1, 4.	1-8
Y	KR 200362673 Y1 (KI TAEK-BUM) 22 September 2004 See Figures 1, 2, Page 2 Lines 4-7.	1-8
A	KR 1020070056893 A (LIM SEONG KYU) 04 June 2007 See Figures 2-5, Claims 1, 2.	1-8
A	KR 1020040067165 A (LEE, KYUNG MOG) 30 July 2004 See Page 2 Lines 23-Page 3 Lines 6, Figures 1-4	1-8

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

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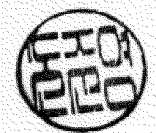
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 200428011 Y1	04.10.2006	None	
KR 200362673 Y1	22.09.2004	None	
KR 1020070056893 A	04.06.2007	AU 2006321461 A1 KR 200408667 Y1 WO 2007064118 A1	07.06.2007 06.02.2006 07.06.2007
KR 1020040067165 A	30.07.2004	None	