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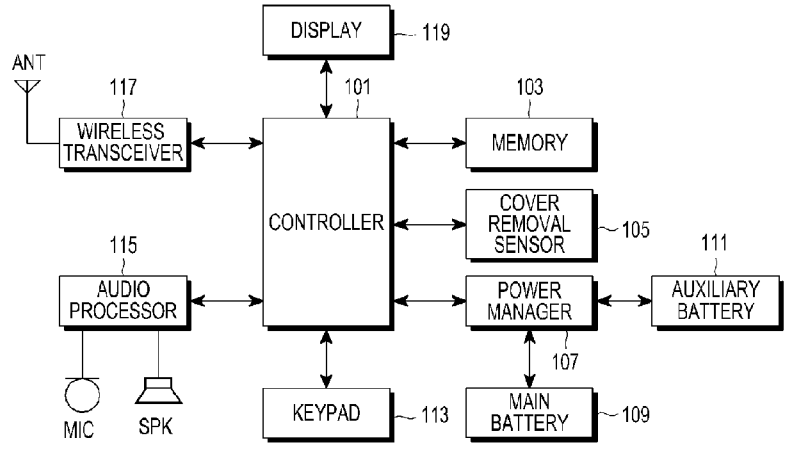
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(54) Title: APPARATUS AND METHOD FOR REPLACING A BATTERY IN A PORTABLE TERMINAL

[Fig. 1]



(57) Abstract: An apparatus and method for replacing a battery in a portable terminal are provided, in which there are a main battery and an auxiliary battery, a cover removal sensor senses the removal of a battery cover, and a controller switches from the main battery to the auxiliary battery for supplying a power in response to the battery cover removal, wherein the auxiliary battery supplies the power to some component of the portable terminal under the control of the controller.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

G06F 1/30(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)

G06F 1/30; H02J 1/10; H02J 7/00; H04W 4/16; H04B 1/40

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: battery, switching, seamless service

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6452362 B1 (CHOO; YEON-CHUL) 17 September 2002 See the abstract, figs.1,3, col.5 lines 20-25, 45-55 and claims 1-3.	1,11 2-10,12-19
X A	KR 10-2009-0020837 A (SAMSUNG ELECTRONICS CO., LTD.) 27 February 2009 See the abstract, claims 1-2, and paras.[0049]-[0050],[0052]-[0053].	1,11 2-10,12-19
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A	US 05959368A A (KUBO; TAKESHI et al.) 28 September 1999 See the abstract, fig.1, col.2 line 52 - col.3 line 7, and claims 1, 11.	1-19
A	US 05739596A A (TAKIZAWA; YASUTOSHI et al.) 14 April 1998 See the abstract, figs.5-6, 8 and claim 1.	1-19

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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