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(71) Applicant and
(72) Inventor: **WOUD, Steven** [US/US].

(74) Agent: **LEE, Choongseop**; Park Law Firm, 3255 Wilshire Blvd Suite 1110, Los Angeles, CA 90010 (US).

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[Continued on next page]

(54) Title: CASE BATTERY

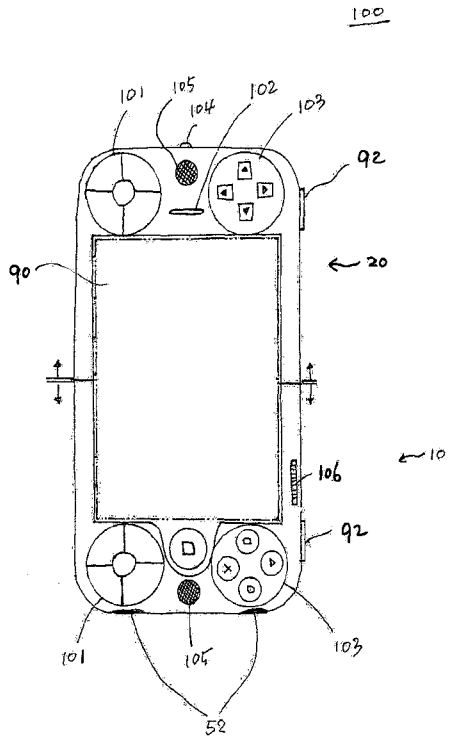


Fig. 21

(57) Abstract: A case battery for a personal digital assistant is provided. The case battery includes a holding portion and a charging portion. The holding portion holds the personal digital assistant detachably. The charging portion is disposed in the holding portion and configured to be electrically connected to the power input. The charging portion extends the usage time of the personal digital assistant. The charging portion includes an electrical power acceptor configured to accept electrical power from outside. The charging portion may further include a secondary battery, and the electrical power acceptor is configured to charge the secondary battery using an external electrical power source. The charging portion may include a primary battery and a receptacle configured to accept the primary battery. The case battery may further include a memory device and a computing device.

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A. CLASSIFICATION OF SUBJECT MATTER

H04B 1/40(2006.01)i, H04B 1/38(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: A45C, G06F, H04B, H04M

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

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

eKIPASS (KIPO internal) & keywords : case, battery, charging

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	KR 10-0752726 B1 (NEWVIT CO., LTD.) 28 August 2007 See abstract; figures 2, 5, 7 and corresponding detailed description.	1-18 19-27
Y	KR 10-2004-0042293 A (TIMESPACE SYSTEM CO., LTD.) 20 May 2004 See figure 13 and corresponding detailed description	19-27
A	KR 20-1998-0060337 U (SAMSUNG ELECTRONICS CO., LTD.) 05 November 1998 See abstract; claim 1 and figure 4.	1-59
A	JP 2006-295382 A (MITSUMI ELECTRIC CO., LTD.) 26 October 2006 See abstract and figures 1, 2.	1-59

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

☒ See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
03 JULY 2009 (03.07.2009)	**06 JULY 2009 (06.07.2009)**

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-0752726 B1	28.08.2007	None	
KR 10-2004-0042293 A	20.05.2004	None	
KR 20-1998-0060337 U	05.11.1998	None	
JP 2006-295382 A	26.10.2006	None	