

## (12) United States Patent Cha

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(54)	PORTABLE PERSONAL COMPUTER WITH
	ARRANGEMENT FOR CONNECTING AN
	EXPANSION CARD TO A SOCKET THEREIN

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(\*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/287,339

Filed: Apr. 7, 1999 (22)

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(51)	Int. Cl. <sup>7</sup>		<b>G06F 1/16</b> ; H05K 5/20
(52)	U.S. Cl.		<b>361/683</b> ; 361/686; 439/377
(58)	Field of	Search	
		361/68	85, 679, 686, 724–727; 248/917;
	31	12/350; 439	9/928.1, 945, 374, 377; 108/108;
			D18/6, 7, 8

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Primary Examiner—Leo P. Picard Assistant Examiner—Lisa Lea-Edmonds

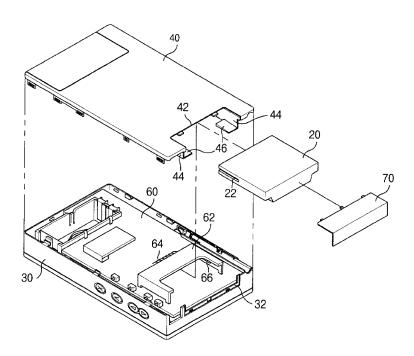
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### (57)**ABSTRACT**

The housing of a palm-sized computer consists of a top housing part having an upper surface, side surfaces and an opened bottom and a bottom housing part for covering the opened bottom to enclose an electronic circuit board. The housing is provided with an expansion card arrangement for electrically connecting an expansion card with the electronic circuit board, which comprises an card insertion opening formed on one side of the housing for inserting the expansion card into the housing, a socket formed on the electronic circuit board to electrically connect the expansion card with the electronic circuit board, the opening of the socket directly facing the card insertion opening, and a guide support integrally formed with the housing between the card insertion opening and the socket so as to guide and support the expansion card inserted through the card insertion opening into the socket.

### 14 Claims, 6 Drawing Sheets

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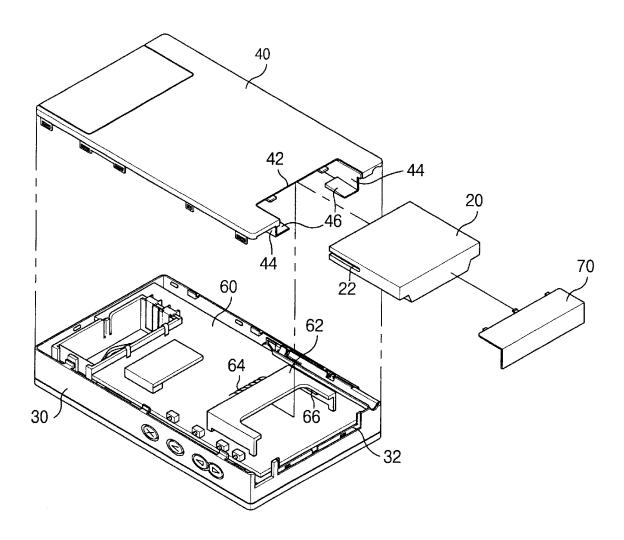




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Fig. 1

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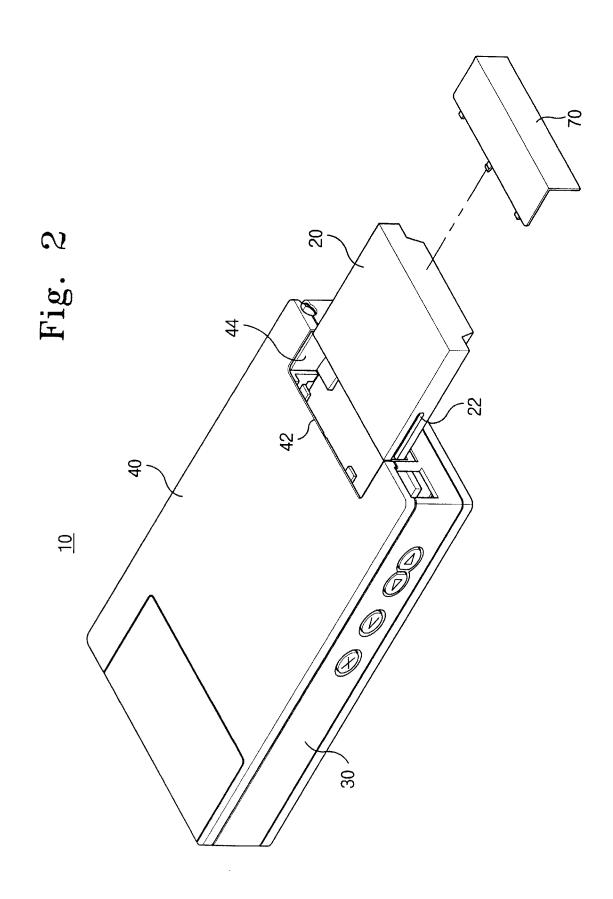
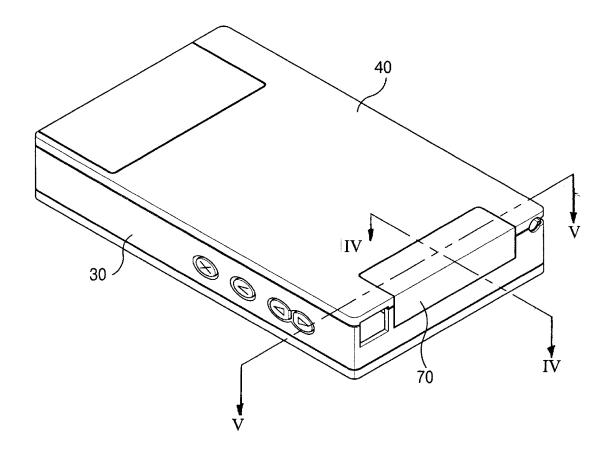
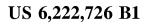
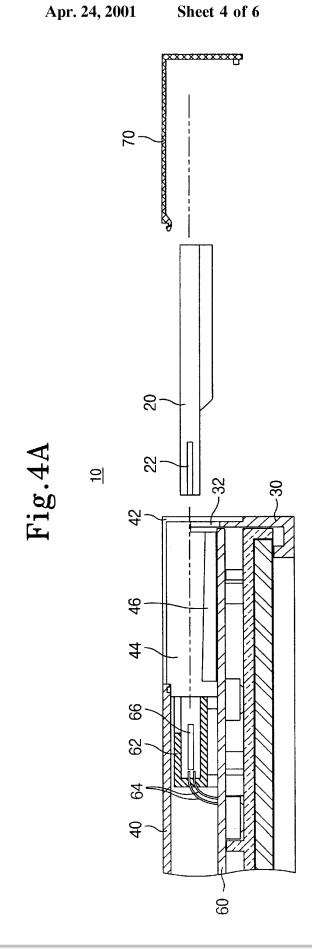


Fig. 3

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