

EXHIBIT 1



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Foreman et al.

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(54) **BATTERY HOLDER AND DISPENSER**

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B65D 85/00 (2006.01)

(52) **U.S. Cl.** **206/703; 206/477; 206/485;**
206/462; D13/119

(58) **Field of Classification Search** 206/703-705,
206/461, 462, 471, 477, 485
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,109,980 A 8/1978 Brockman et al.
- 4,510,215 A * 4/1985 Adam 429/99
- D301,575 S 6/1989 Crawford, Jr.
- 5,137,693 A * 8/1992 Mawhirt 422/104
- 5,261,535 A * 11/1993 Light et al. 206/391
- 5,369,565 A * 11/1994 Chen et al. 363/146
- D376,690 S 12/1996 Lockerby
- D380,611 S 7/1997 Mancusi

- 5,670,268 A 9/1997 Mancusi
- 5,855,422 A * 1/1999 Naef 312/42
- 5,866,276 A * 2/1999 Ogami et al. 429/120
- D409,559 S 5/1999 Shim
- D409,560 S 5/1999 Shim
- 6,174,618 B1 1/2001 Nishiyama et al.
- D442,542 S 5/2001 Dougherty et al.
- D450,035 S 11/2001 Ahlgren
- 6,395,980 B2 5/2002 Iitsuka
- D477,531 S 7/2003 Wilczewski
- 6,602,637 B1 8/2003 Kurasawa et al.
- D483,722 S 12/2003 Bailey
- 6,677,728 B2 1/2004 Takedomi et al.
- D488,443 S 4/2004 Bailey
- D490,375 S 5/2004 Pomerance
- 2001/0046624 A1* 11/2001 Goto et al. 429/99
- 2003/0076673 A1* 4/2003 Diak/Ghanem 362/101

* cited by examiner

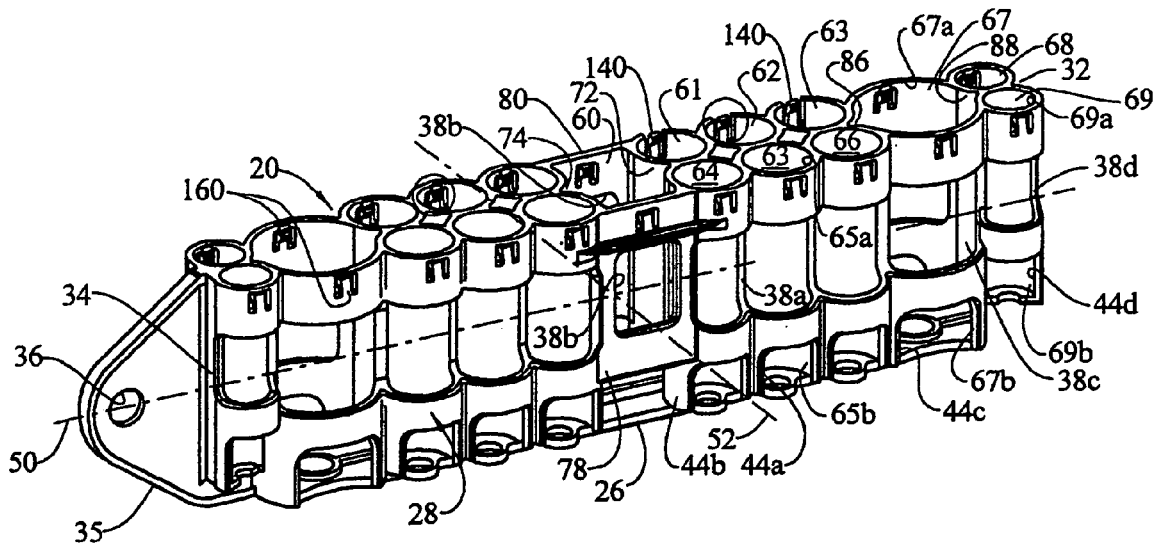
Primary Examiner—Jila M Mohandes

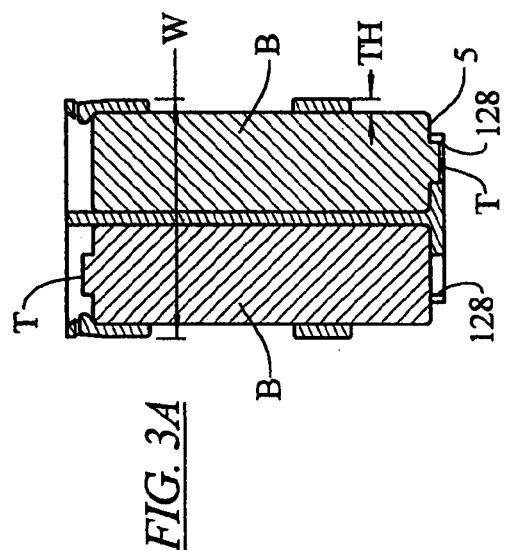
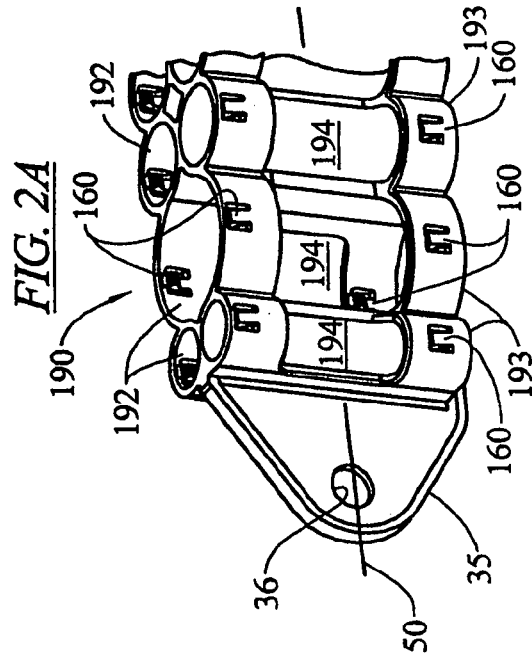
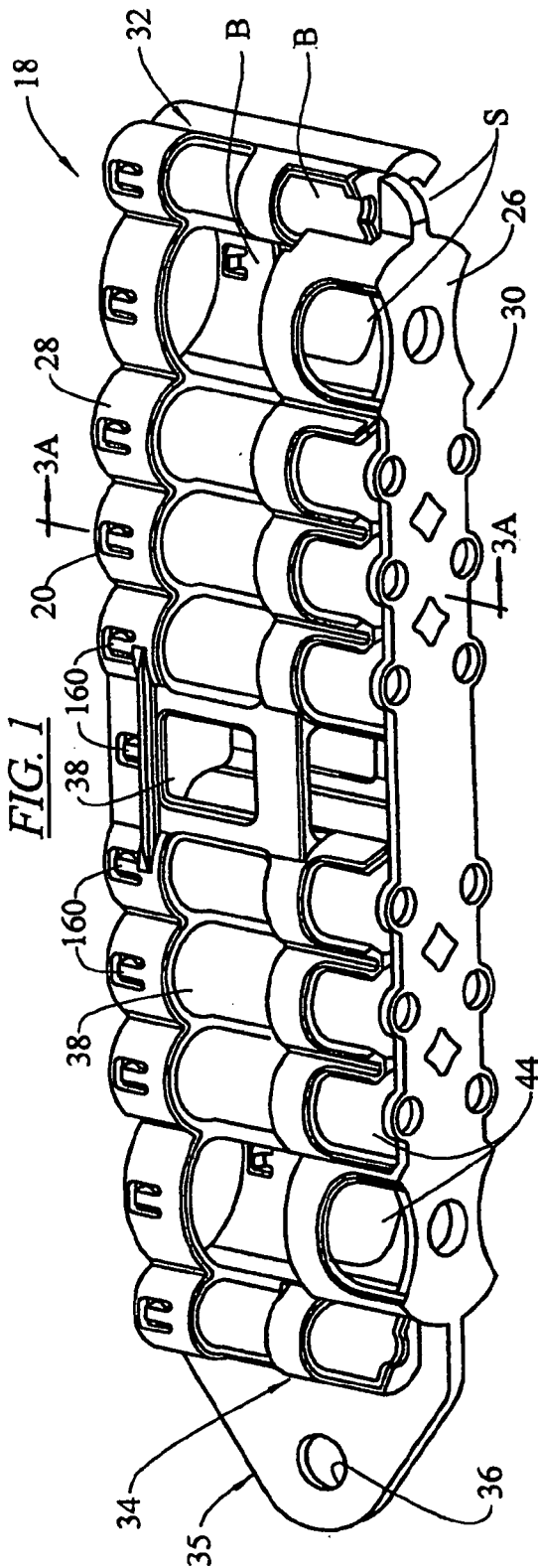
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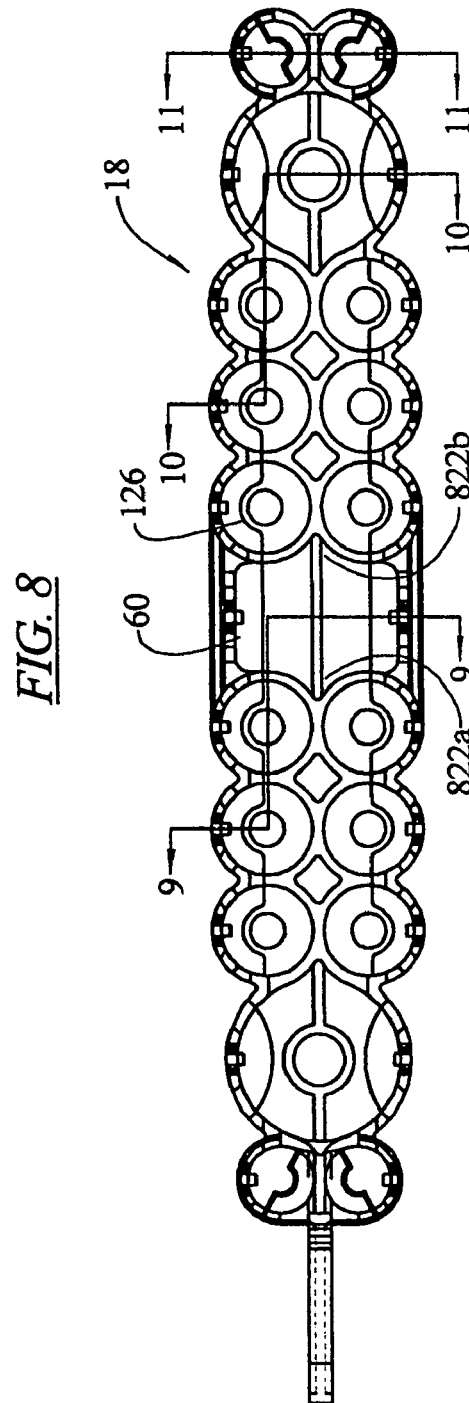
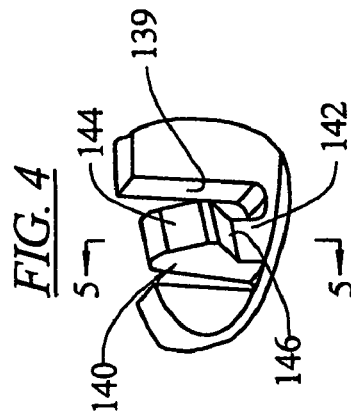
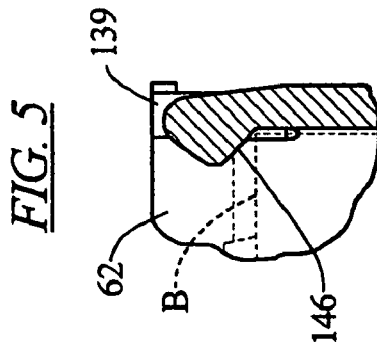
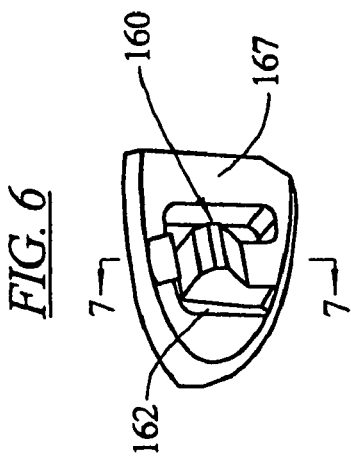
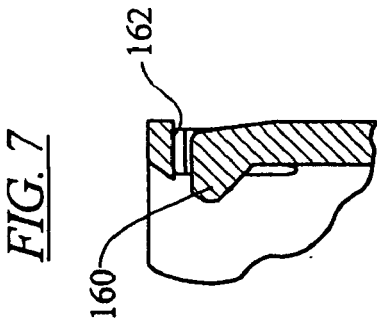
(57) **ABSTRACT**

A battery holding and dispensing device holds a plurality of batteries, in an assortment of battery sizes. The battery holding and dispensing device includes a frame having a plurality of compartments sized and shaped to each receive a battery of a particular battery size and each having a detent for releasably retaining the battery in the compartment. Each compartment has at least one opening in the bottom and lower side to expose a corner of the battery to allow finger ejection of the battery from the compartment past the detent, and to allow the user to touch the batteries to ascertain battery size by feel. The assortment of batteries held in the frame is preferably pre-selected to correspond to the batteries needed by a particular profession.

28 Claims, 9 Drawing Sheets







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