US00D539221S

(12) United States Design Patent

Johnson et al.

(10) Patent No.: US D539,221 S
(45) Date of Patent: ** Mar. 27, 2007

(54) **BATTERY**

(75) Inventors: **Todd W. Johnson**, Wauwatosa, WI (US); **Scott D. Bublitz**, Hartland, WI (US)

(73) Assignee: **Milwaukee Electric Tool Corporation**, Brookfield, WI (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/205,933**

(22) Filed: **May 21, 2004**

(51) **LOC (8) Cl.** **13-02**

(52) **U.S. Cl.** **D13/119**

(58) **Field of Classification Search** D13/102–106, D13/110, 118–119, 184; 429/96–100, 163, 429/176

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,852,652	A		12/1974	Jasinski
3,906,369	A		9/1975	Pitman et al.
D260,886	S		9/1981	Taylor
4,342,953	A		8/1982	Collins
D266,501	S		10/1982	Stefanik
D278,142	S		3/1985	Chan
D278,426	S		4/1985	Lanci et al.
D285,554	S		9/1986	Beaumont et al.
D295,529	S		5/1988	Masaki
D296,529	S		7/1988	Larson et al.
D301,135	S		5/1989	Schappler
D301,331	S	*	5/1989	Rhodin D13/107
4,829,226	A		5/1989	Nakamura et al.
4,845,650	A		7/1989	Meade et al.
D313,391	S		1/1991	Pudwill
D321,338	S	*	11/1991	Sakamoto et al. D13/103
D322,060	S		12/1991	Iino
5,144,217	A		9/1992	Gardner et al.
5,179,337	A		1/1993	Staarman et al.
5,200,686	A		4/1993	Lee

(Continued)

OTHER PUBLICATIONS

Dantona Industries, Inc. list of tool batteries entitled "New Power Tool Programs from Dantona", dated Sep. 2001.
Article entitled "Makita Launches Nickel Metal Hydride", http://www.makita.com/Press_Item_View.asp?id=32, visited Apr. 17, 2002.
Article entitled "Makita's Nickel–Metal Hydride Batteries Reach a New level", http://www.makita.com/Press_Item_View.asp?id=30, visited Apr. 17, 2002.
Article entitled "1 Hour Charger", http://www-.boschtools.com/Tools+and +Accessories/Accessories/acc_specifications.htm?item_no=BC001, visited Apr. 17, 2002.
Article entitled "Professional Cordless Tools", http://www-.panasonic.com/commercial_building/power_tools/press/pr8.html, visitied Apr. 16, 2002.
Article entitled "'H' Type Nickel Metal Hydride Battery: Improved Low Rate Charge Characteristics at Higher Temperatures", dated Apr. 2002.

Primary Examiner—Alan P. Douglas
Assistant Examiner—Rosemary K. Tarcza
(74) *Attorney, Agent, or Firm*—Michael Best & Friedrich LLP

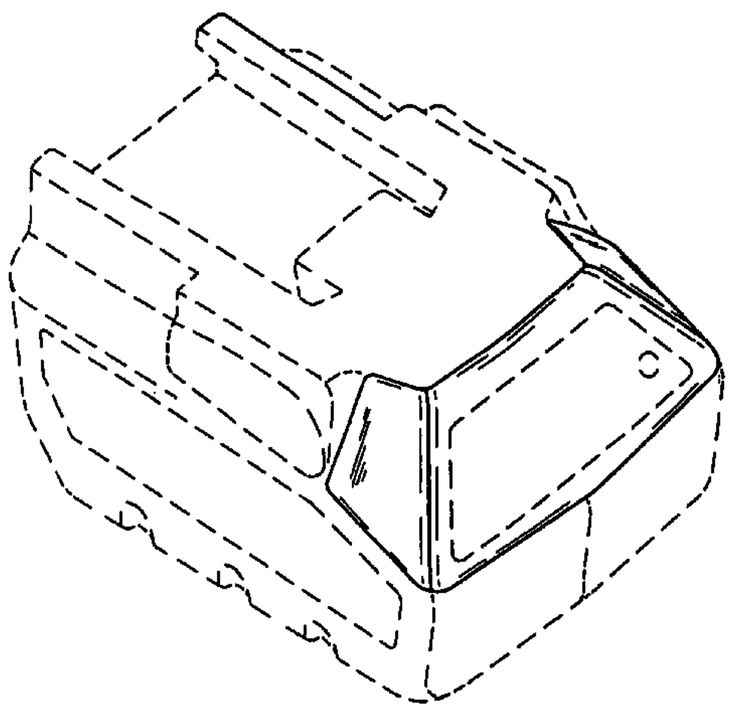
(57) **CLAIM**

The ornamental design for a battery, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a battery.
FIG. **2** is a top view of a battery shown in FIG. **1**.
FIG. **3** is a front view of a battery shown in FIG. **1**.
FIG. **4** is a left side view of a battery shown in FIG. **1**; and,
FIG. **5** is a right side view of a battery shown in FIG. **1**.
The present application is directed to the shape and contour of the upper-front portion of the design illustrated in the drawings. Other features of the drawings, specifically, the terminal connections, the rear shape of the battery, the lower front portion of the battery, and the locking mechanism, are not considered part of the design sought to be patented, and have accordingly been shown in broken lines.

1 Claim, 3 Drawing Sheets



U.S. PATENT DOCUMENTS

5,213,913	A		5/1993	Anthony, III et al.	
5,298,821	A		3/1994	Michel	
5,391,972	A		2/1995	Gardner et al.	
5,406,187	A		4/1995	Harrison	
5,438,248	A		8/1995	Hyuck	
D374,860	S	*	10/1996	Amero et al.	D13/103
D382,535	S	*	8/1997	Chiang	D13/103
5,686,808	A		11/1997	Lutz	
D387,728	S		12/1997	Kawakami et al.	
D388,792	S		1/1998	Nykerk	
5,744,937	A		4/1998	Cheon	
D396,686	S	*	8/1998	Bay et al.	D13/103
D398,900	S		9/1998	Roman	
D401,216	S	*	11/1998	Person et al.	D13/110
5,902,080	A		5/1999	Kopras	
5,903,423	A		5/1999	Okano et al.	
5,909,101	A		6/1999	Matsumoto et al.	
5,912,546	A		6/1999	Sakou et al.	
D412,485	S		8/1999	Kato et al.	
D417,648	S		12/1999	Clowers et al.	
6,066,938	A		5/2000	Hyodo et al.	
6,075,341	A		6/2000	White et al.	
D431,230	S	*	9/2000	Began	D13/184
6,114,831	A		9/2000	Attimont et al.	
D432,986	S		10/2000	Krumenacker et al.	
D436,343	S		1/2001	Harrington et al.	
6,175,211	B1		1/2001	Brotto	
6,175,213	B1		1/2001	Centa et al.	
6,181,102	B1		1/2001	Andrews et al.	
6,191,554	B1		2/2001	Nakane et al.	
D440,936	S		4/2001	Burns	
6,215,275	B1		4/2001	Bean	
6,218,806	B1		4/2001	Brotto et al.	
6,229,280	B1		5/2001	Sakoh et al.	
D443,274	S		6/2001	Loughnane et al.	
D448,724	S		10/2001	Hsiao	
D450,338	S		11/2001	Hamamura	
6,326,101	B1		12/2001	White et al.	
6,329,788	B1		12/2001	Bailey, Jr. et al.	
6,331,761	B1		12/2001	Kumar et al.	
D456,002	S		4/2002	Kato et al.	
D458,932	S		6/2002	Huang	
D460,413	S		7/2002	Zurwelle et al.	
D467,867	S		12/2002	Hsiao	
6,500,581	B2		12/2002	White et al.	
6,508,313	B1		1/2003	Carney et al.	
6,537,694	B1		3/2003	Sugiura et al.	
D484,850	S	*	1/2004	Johnson	D13/103
D513,730	S		1/2006	Johnson	
D514,060	S	*	1/2006	Wong et al.	D13/103
D516,504	S	*	3/2006	Okuda et al.	D13/103
D521,447	S	*	5/2006	Ono et al.	D13/103
2001/0001533	A1		5/2001	Anderson et al.	
2004/0081882	A1	*	4/2004	Ontl	429/96
2004/0106036	A1	*	6/2004	Geis et al.	429/99

* cited by examiner

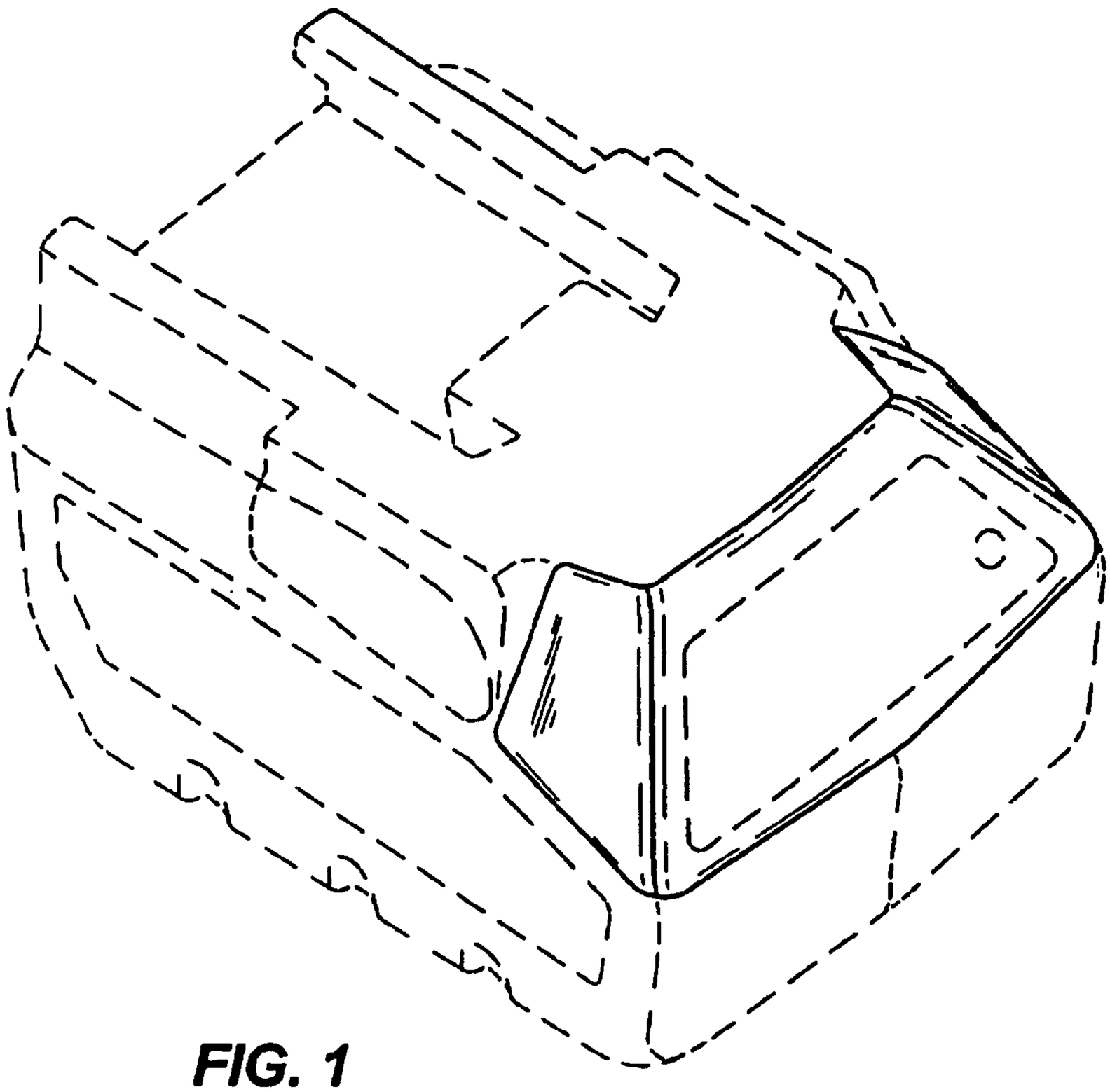


FIG. 1

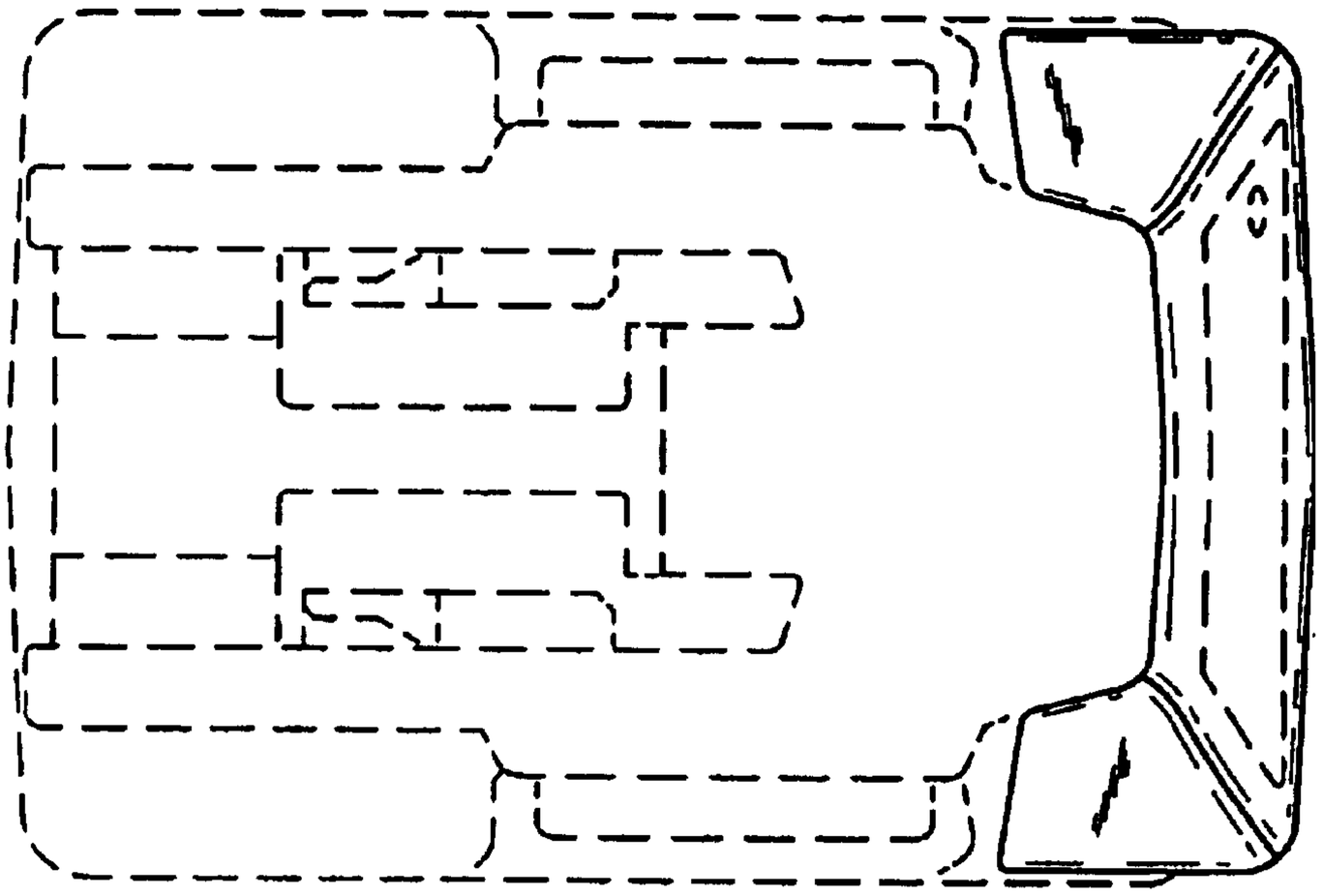


FIG. 2

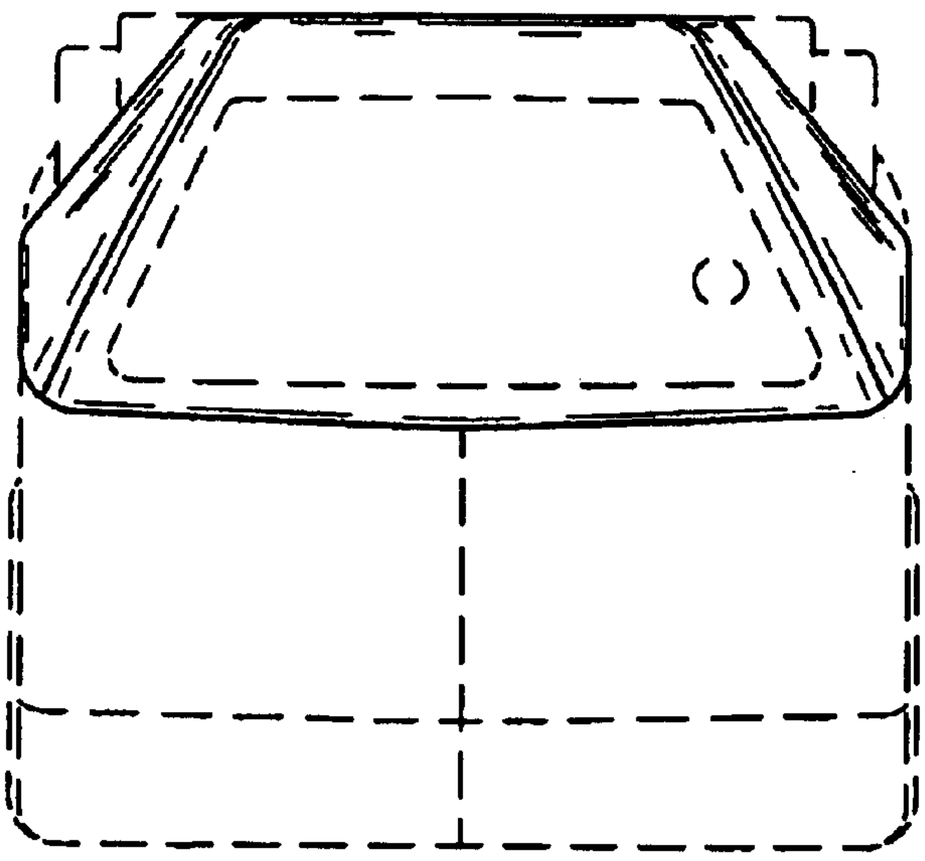


FIG. 3

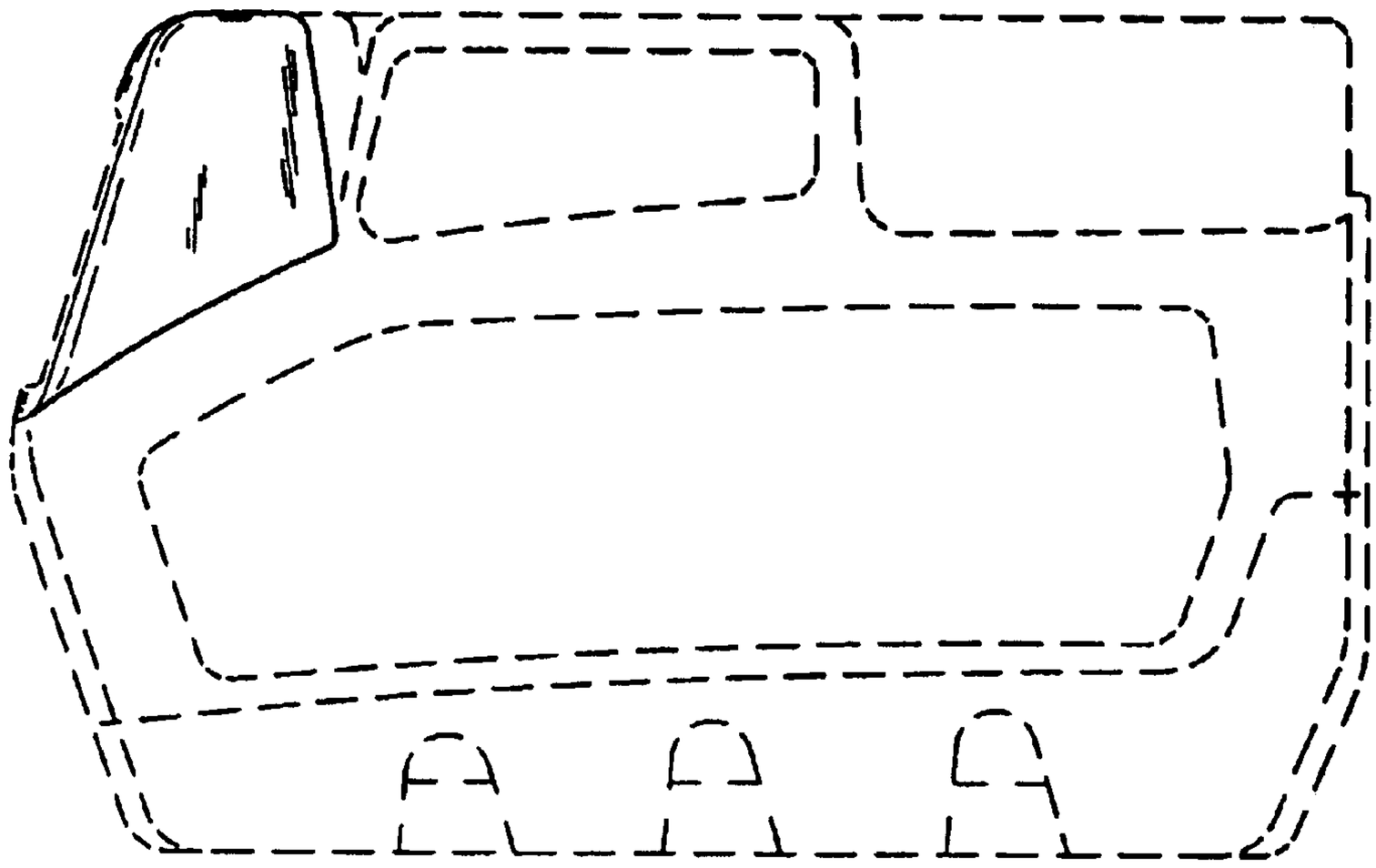


FIG. 4

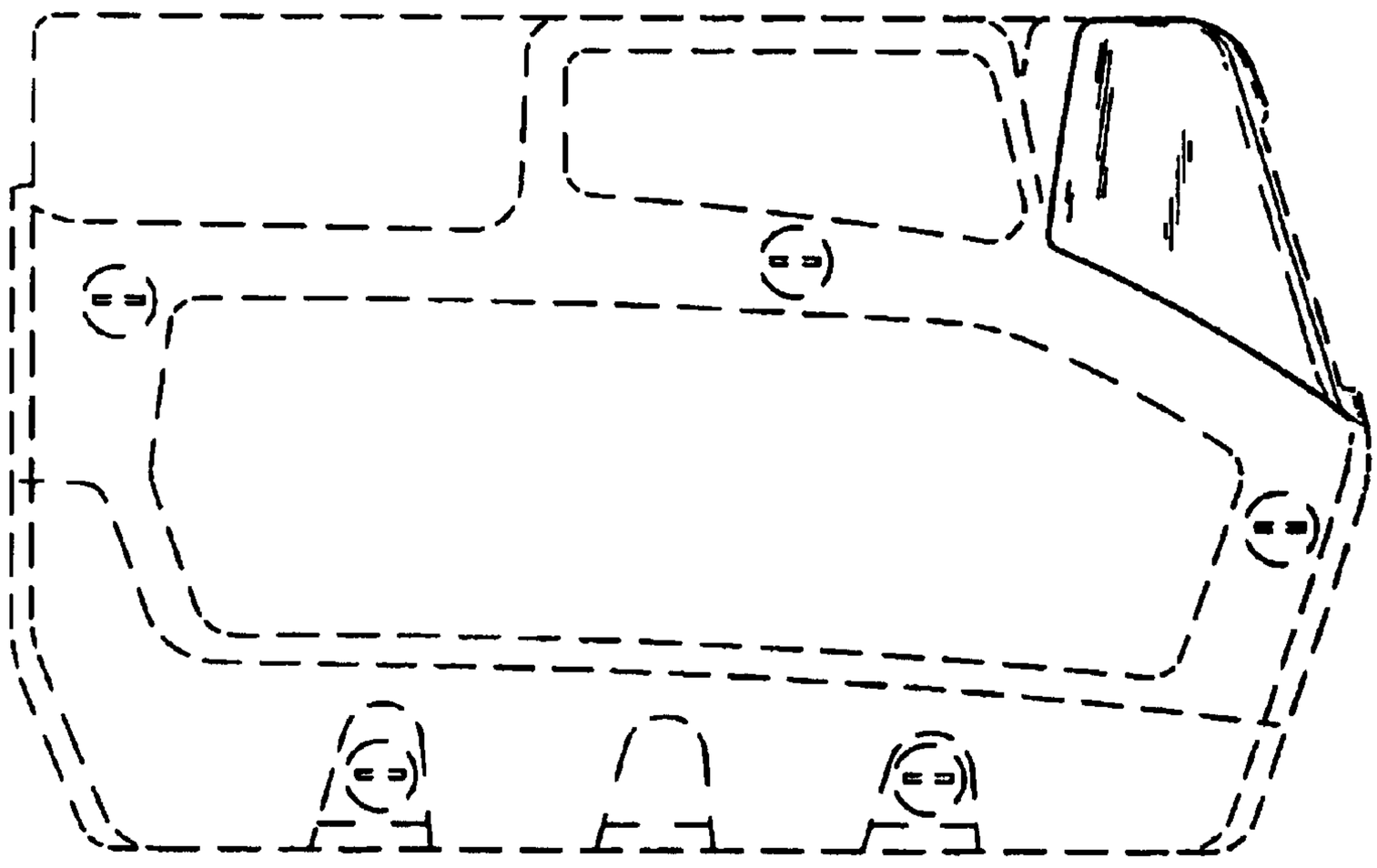


FIG. 5