



US00D838218S

(12) **United States Design Patent** (10) **Patent No.:** **US D838,218 S**
Sims et al. (45) **Date of Patent:** **** Jan. 15, 2019**

(54) **BRAKE CONTROLLER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **FORD GLOBAL TECHNOLOGIES, LLC**, Dearborn, MI (US)

CN 2136778 U 6/1993
CN 2846241 U 12/2006

(Continued)

(72) Inventors: **Russell Allan Sims**, Grosse Ile, MI (US); **Cary Ochen Diehl**, Grosse Ile, MI (US)

OTHER PUBLICATIONS

Final Office Action in related U.S. Appl. No. 15/139,759, dated Nov. 3, 2017.

(73) Assignee: **FORD GLOBAL TECHNOLOGIES, LLC**, Dearborn, MI (US)

(Continued)

(**) Term: **15 Years**

Primary Examiner — Selina Sikder

(21) Appl. No.: **29/601,803**

(74) *Attorney, Agent, or Firm* — Jones Robb, PLLC; Frank MacKenzie

(22) Filed: **Apr. 26, 2017**

(57) **CLAIM**

The ornamental design for a brake controller, as shown and described.

Related U.S. Application Data

DESCRIPTION

(62) Division of application No. 29/487,428, filed on Apr. 8, 2014, now Pat. No. Des. 789,898.

This application is related to U.S. patent application Ser. No. 14/248,078 (filed Apr. 8, 2014; now U.S. Pat. No. 9,346,439); to U.S. patent application Ser. No. 15/139,759 (filed Apr. 27, 2016; now U.S. Pat. No. 9,963,125); to U.S. Design patent application Ser. No. 29/487,425 (filed Apr. 8, 2014; now U.S. Design Pat. No. D 787,391); and to U.S. Design patent application Ser. No. 29/601,330 (filed Apr. 21, 2017; currently pending), the entire contents of each of which are incorporated by reference herein.

(51) **LOC (11) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/177; D13/162**

(58) **Field of Classification Search**
USPC D13/162, 174; D12/174, 175, 176, 177
CPC B60K 35/00; B60K 37/06; B60T 7/00;
B60T 7/042; B60T 7/08; B60T 7/085;
B60T 7/10; B60T 7/20; B62D 1/00;
B62D 1/02;

FIG. 1 is a perspective view of an embodiment of a brake controller of our new design.

FIG. 2 is a front view of the brake controller of FIG. 1.

FIG. 3 is a back view of the brake controller of FIG. 1.

FIG. 4 is a left side view of the brake controller of FIG. 1.

FIG. 5 is a right side view of the brake controller of FIG. 1.

FIG. 6 is a top view of the brake controller of FIG. 1; and,

FIG. 7 is a bottom view of the brake controller of FIG. 1.

The portions of the figures depicted in broken lines are not part of the claimed design.

(Continued)

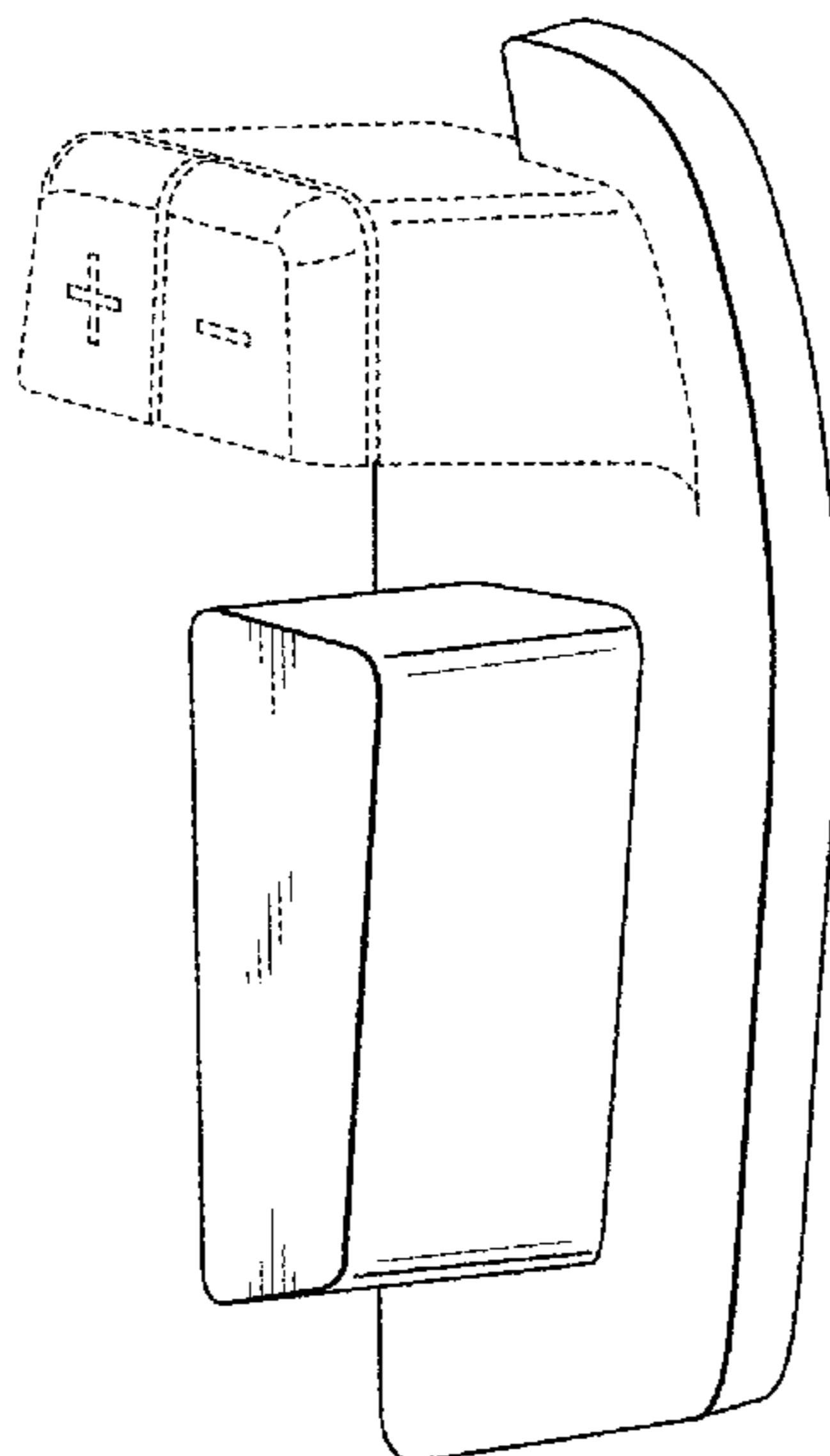
(56) **References Cited**

U.S. PATENT DOCUMENTS

2,082,430 A 6/1937 Townsend
2,233,192 A 2/1941 Armington

(Continued)

1 Claim, 3 Drawing Sheets



(58) **Field of Classification Search**
 CPC B62D 1/04; B62D 1/043; B62D 1/046;
 B62D 1/14
 See application file for complete search history.

2008/0023253	A1	1/2008	Prost-Fin et al.
2009/0199671	A1	8/2009	Trevino et al.
2014/0022070	A1	1/2014	Golomb
2014/0214275	A1	7/2014	Miller et al.
2014/0224600	A1	8/2014	Rosenbaum
2015/0066322	A1	3/2015	Squire et al.
2015/0082933	A1	3/2015	Spaggiari
2015/0283982	A1	10/2015	Ochen et al.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,539,994	A	1/1951	Werner
3,532,188	A	10/1970	Kelz
3,592,280	A	7/1971	Wappler et al.
4,217,792	A	8/1980	Kesling
5,603,674	A	2/1997	Rivas et al.
5,785,393	A	7/1998	McGrath et al.
6,050,649	A	4/2000	Hensley
6,167,775	B1	1/2001	Sebazco
6,179,390	B1	1/2001	Guzorek et al.
6,371,572	B1	4/2002	Frank
6,609,768	B1	8/2003	Frank
6,655,703	B1	12/2003	Spears, Jr.
6,966,613	B2	11/2005	Davis
D526,109	S	8/2006	Bergman
7,278,510	B1	10/2007	Richards
D564,974	S	3/2008	Berg et al.
D606,914	S	12/2009	Pohanka
D618,145	S	6/2010	Tupinier
D634,247	S	3/2011	Confer et al.
8,067,709	B2	11/2011	Han et al.
8,140,235	B2	3/2012	Simmerman
8,438,943	B2	5/2013	Herbert et al.
8,511,759	B2	8/2013	Marsden et al.
D696,992	S	1/2014	Pohanka et al.
D709,006	S	7/2014	Busse et al.
D709,066	S	7/2014	Busse et al.
D710,271	S	8/2014	Norman et al.
D727,226	S	4/2015	Mayerle
9,308,930	B2	4/2016	Bostick et al.
9,346,439	B2	5/2016	Ochen et al.
D787,391	S *	5/2017	Sims D12/177
D789,898	S *	6/2017	Sims D13/162
9,963,125	B2 *	5/2018	Diehl B60T 7/102
2002/0104705	A1	8/2002	Kuhn, Jr.
2003/0160412	A1	8/2003	Constans
2004/0084291	A1	5/2004	Adachi et al.
2004/0099648	A1	5/2004	Chernoff et al.
2005/0247549	A1	11/2005	Wahl et al.
2006/0079372	A1	4/2006	Ringger et al.
2007/0001509	A1	1/2007	Brown et al.

FOREIGN PATENT DOCUMENTS

DE	3708094	C1	9/1988
JP	05270410	A	10/1993

OTHER PUBLICATIONS

Non-Final Office Action in related U.S. Appl. No. 15/139,759, dated Jun. 26, 2017.
 Notice of Allowance in related U.S. Appl. No. 15/139,759, dated Jan. 23, 2018.
 Non-Final Office Action dated Jun. 15, 2015 from patented U.S. Appl. No. 14/248,078.
 Final Office dated Oct. 19, 2015 from patented U.S. Appl. No. 14/248,078.
 Acceleration and Declaration Operating Device for Vehicle, JP 05-270410 A, Owada et al., Oct. 1993.
 Advisory Action dated Jun. 30, 2016 from co-pending U.S. Appl. No. 29/487,425.
 Non-Final Office Action dated Aug. 16, 2016 from co-pending U.S. Appl. No. 29/487,425.
 Final Office Action dated Mar. 25, 2016 from co-pending U.S. Appl. No. 29/487,425.
 Notice of Allowance dated Jan. 20, 2016 from patented U.S. Appl. No. 14/248,078.
 Notice of Allowance dated Jan. 5, 2017 from co-pending U.S. Appl. No. 29/487,425.
 Notice of Allowance dated Jan. 30, 2017 from co-pending U.S. Appl. No. 29/487,428.
 Non-Final Office Action dated Oct. 5, 2015 from co-pending U.S. Appl. No. 29/487,425.
 Russell Allan Sims et al. "Brake Controller", Design U.S. Appl. No. 29/487,428, filed Apr. 8, 2014.
 Russell Allan Sims et al. "Steering Wheel Mounted Brake Controller", Design U.S. Appl. No. 29/487,425, filed Apr. 8, 2014.
 Notice of Allowance in U.S. Appl. No. 29/601,330, dated Jun. 11, 2018.

* cited by examiner

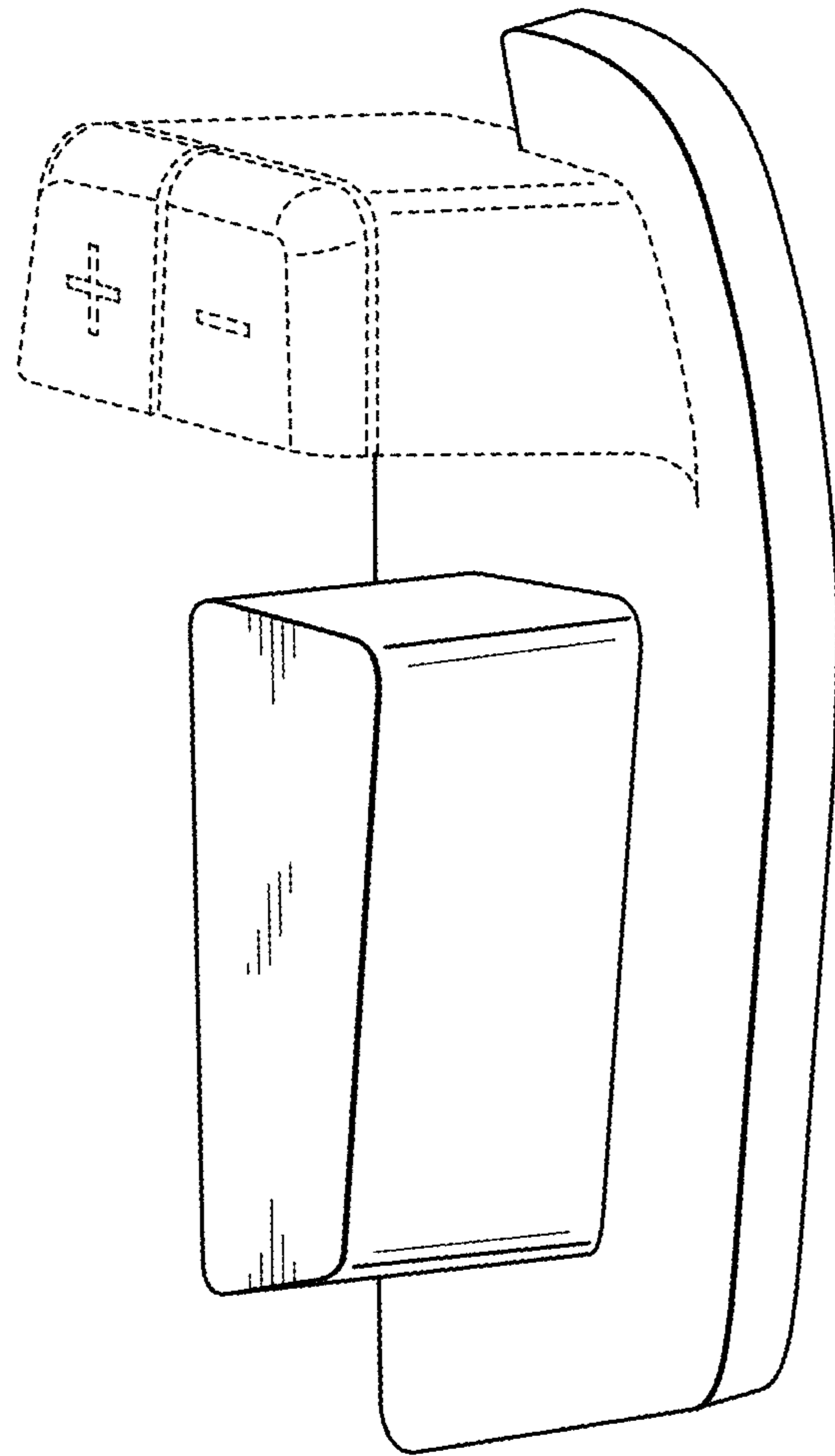


FIG. 1

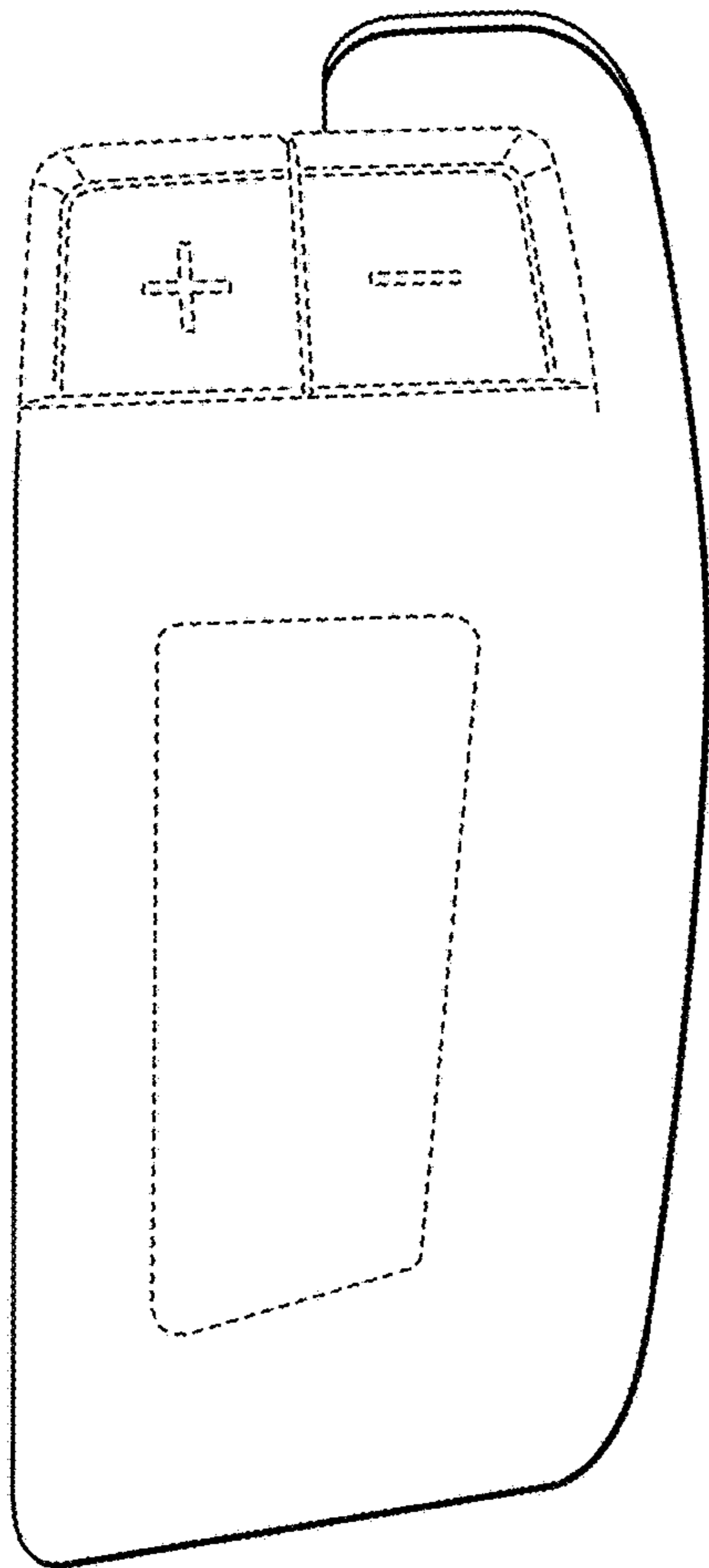


FIG. 2

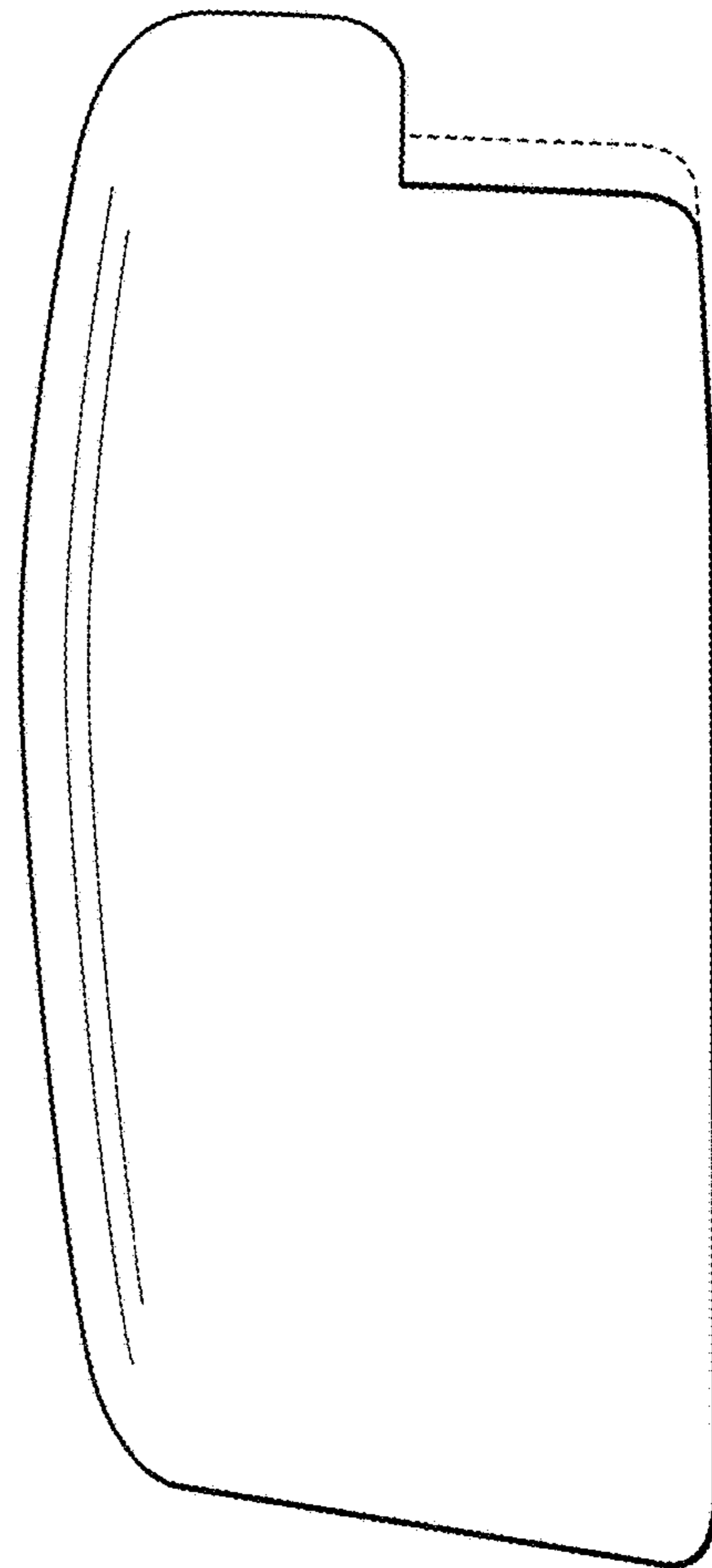


FIG. 3

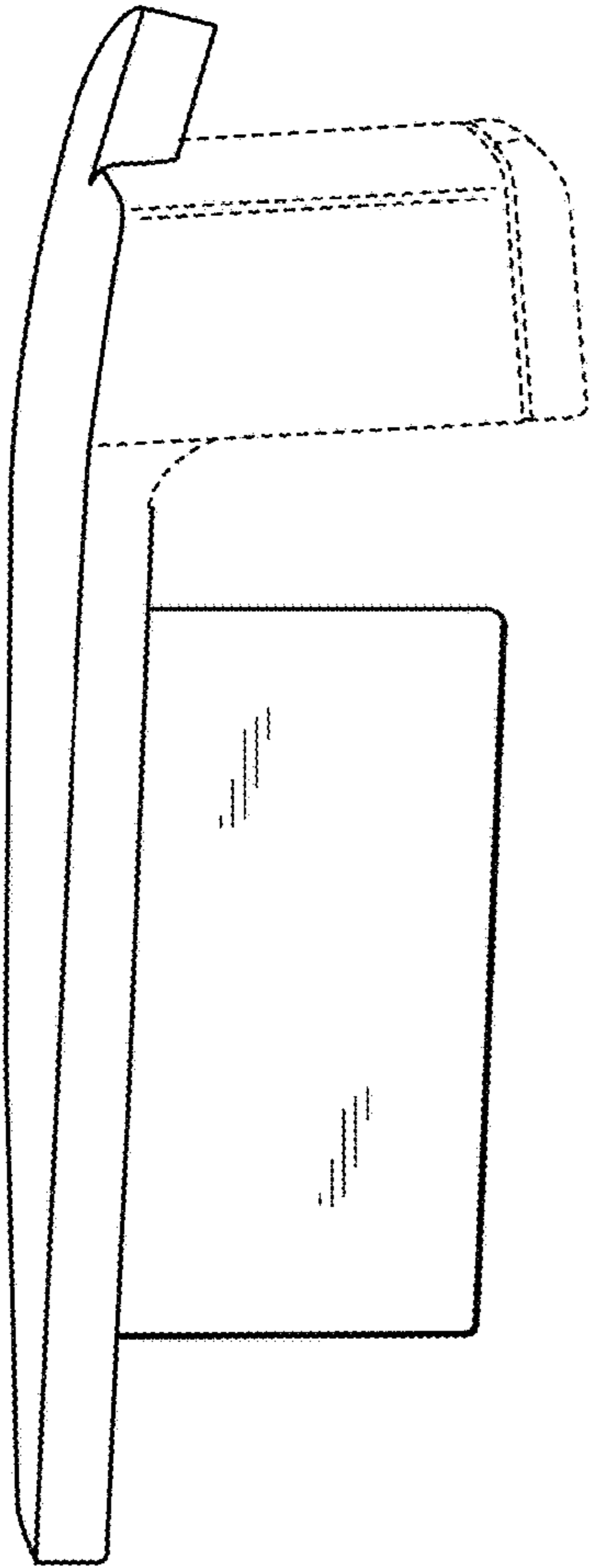


FIG. 4

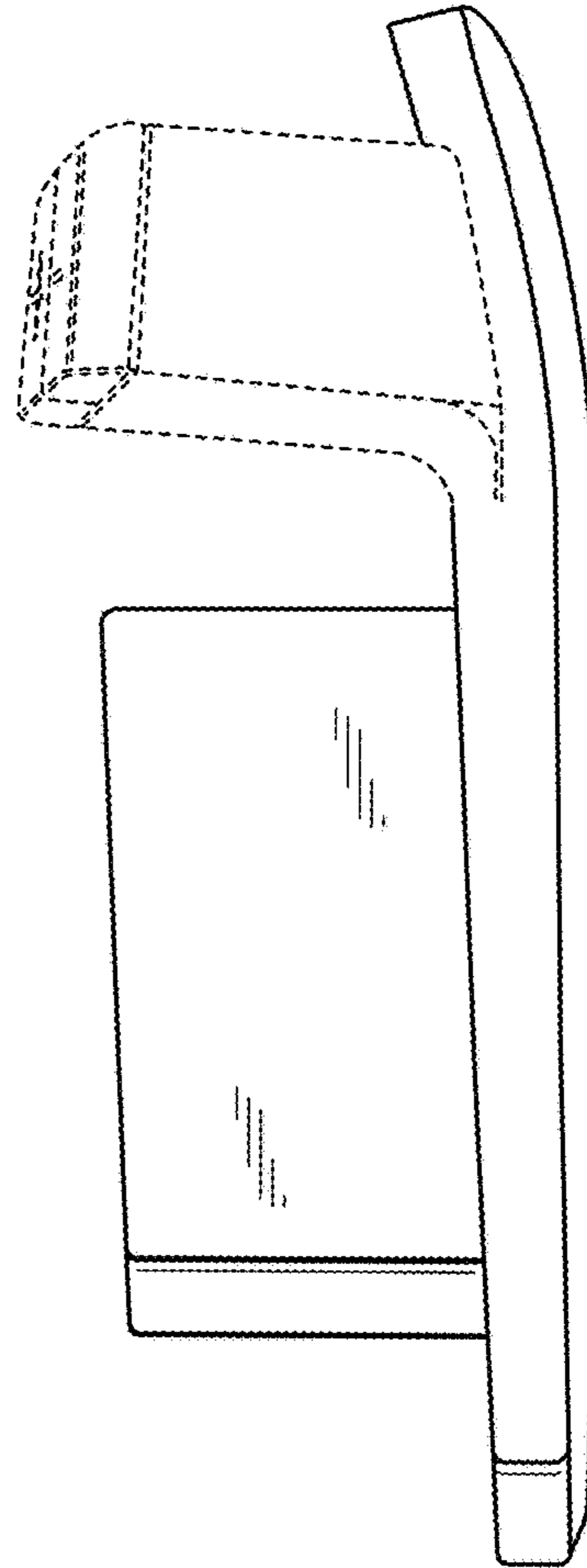


FIG. 5

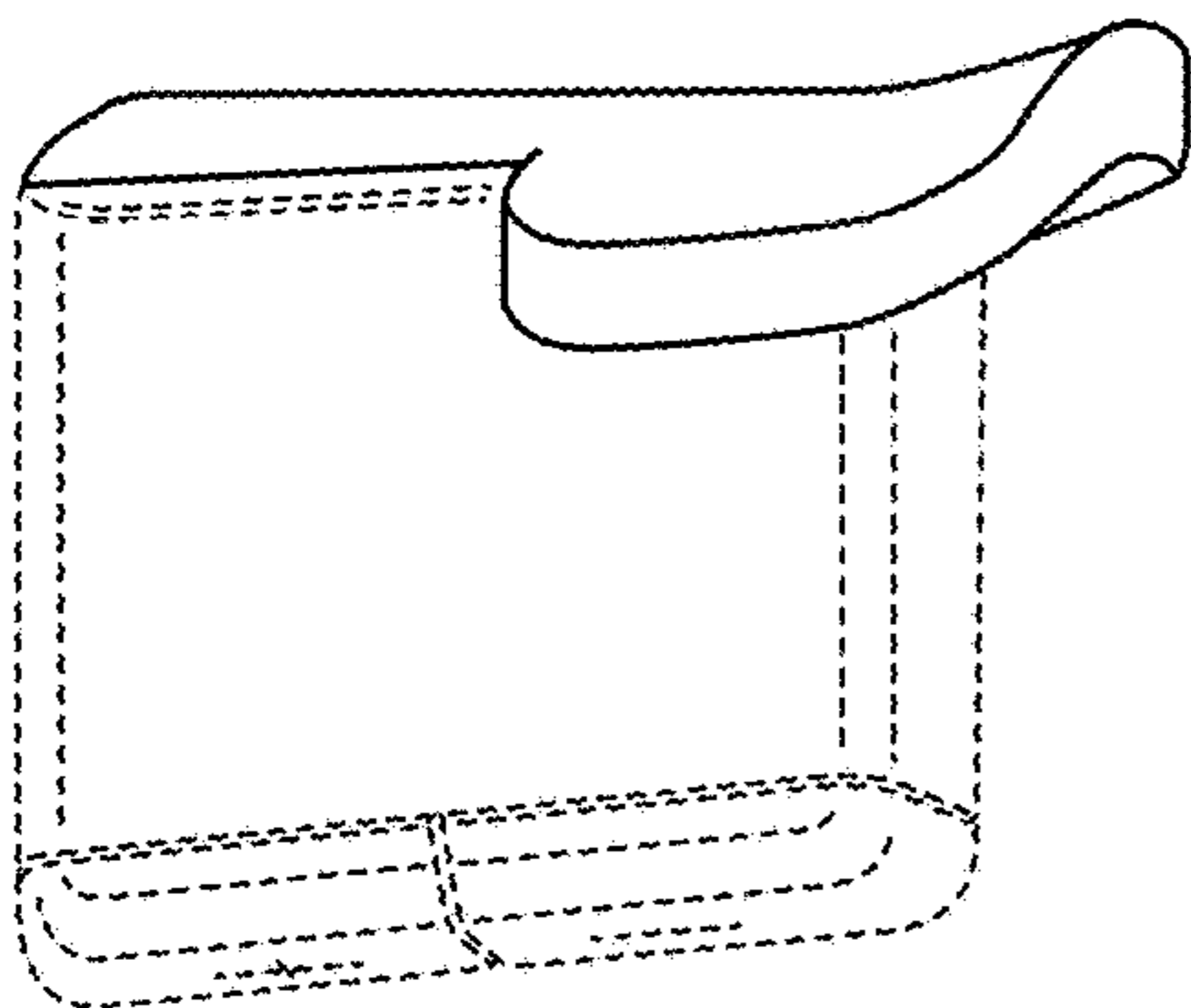


FIG. 6

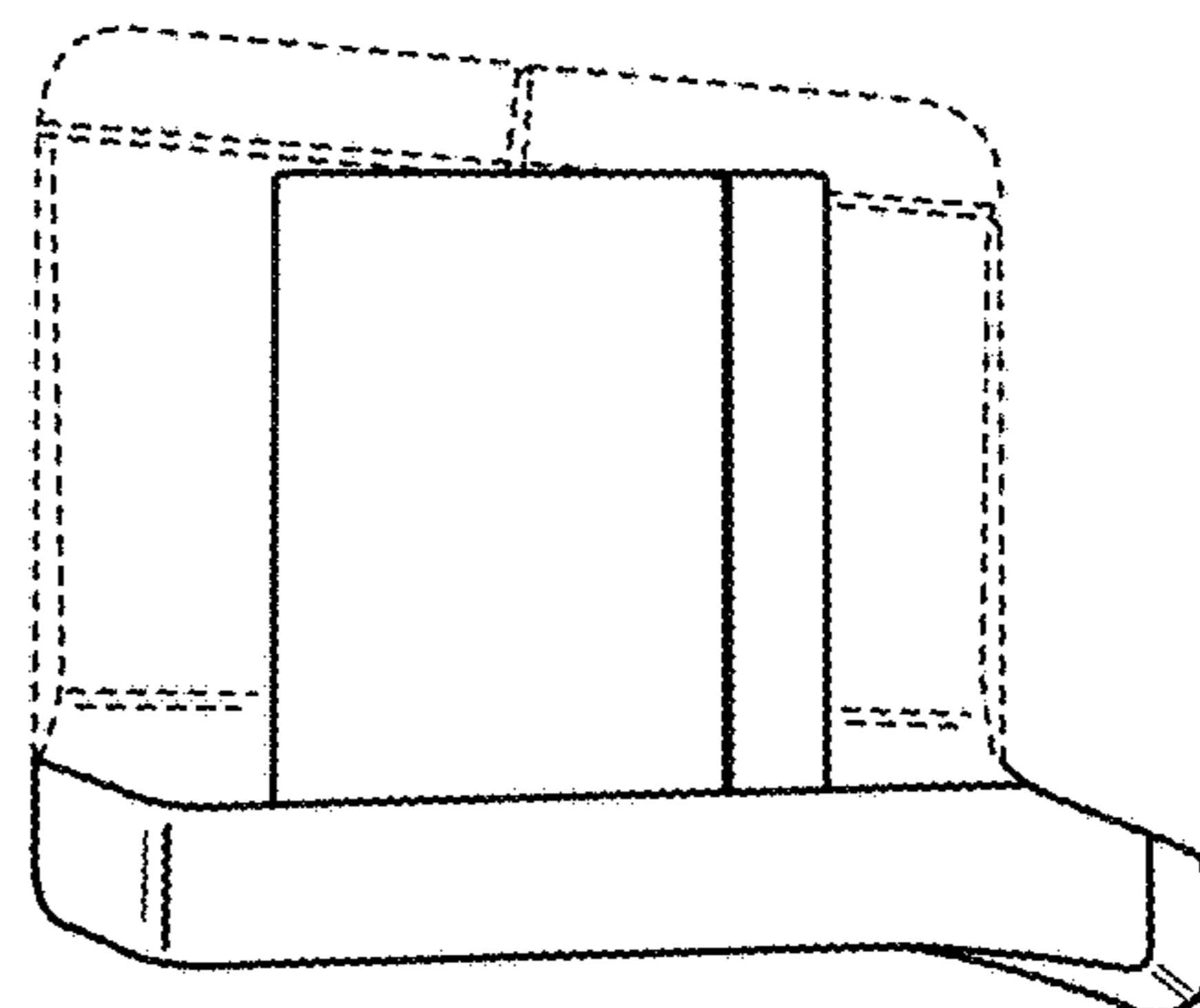


FIG. 7