



US00D888052S

(12) **United States Design Patent**  
**Manoharan et al.**

(10) **Patent No.:** **US D888,052 S**  
(45) **Date of Patent:** **\*\* Jun. 23, 2020**

(54) **VEHICLE DATA ACQUISITION DEVICE**

(71) Applicant: **TEKION CORP**, Pleasanton, CA (US)

(72) Inventors: **Robert Kennedy Manoharan**, Chennai (IN); **Jayaprakash Vijayan**, Dublin, CA (US); **Gurusankar Sankararaman**, Dublin, CA (US); **Anand Ramakotti**, Dublin, CA (US); **Sigundo Bautista**, Alameda, CA (US)

(73) Assignee: **TEKION CORP**, San Ramon, CA (US)

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

(21) Appl. No.: **29/623,732**

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

(51) **LOC (12) Cl.** ..... **14-02**

(52) **U.S. Cl.**  
USPC ..... **D14/357**

(58) **Field of Classification Search**  
USPC ..... D14/358, 348, 356, 357, 431, 433, 435, D14/435.1, 496, 507, 125, 140, 140.1, D14/142, 155, 167, 168, 172, 188, 195, D14/203.1, 191, 192, 203.3, 203.6, 217, D14/230, 240, 242, 299; D13/103, 107, D13/108, 123, 133, 152, 158, 162, 162.1, D13/163, 165, 168, 184, 199; D10/46, D10/75, 78, 80; D12/192  
CPC . H04W 4/44; H04W 4/80; G07C 5/08; G07C 5/008; G07C 5/0808; G07C 5/0858; G06F 17/00  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D327,879 S \* 7/1992 Lou ..... D14/357  
D331,395 S \* 12/1992 Lou ..... D14/357  
D331,711 S \* 12/1992 Cervas ..... D10/78

D332,254 S \* 1/1993 Hofland ..... D14/356  
D338,193 S \* 8/1993 Sasaki ..... D14/433  
D345,703 S \* 4/1994 Cervas ..... D10/78  
D361,989 S \* 9/1995 Cox ..... D14/433  
D374,183 S \* 10/1996 Skinner ..... D10/78  
D411,523 S \* 6/1999 Talesfore ..... D14/433  
D426,204 S \* 6/2000 Maio ..... D14/356  
D430,873 S \* 9/2000 Parker ..... D14/357  
D445,110 S \* 7/2001 MacLeod ..... D14/433  
D454,873 S \* 3/2002 Clark ..... D14/358  
D507,569 S \* 7/2005 Tagliabue ..... D14/356  
6,947,816 B2 \* 9/2005 Chen ..... G07C 5/085  
701/33.5  
D513,252 S \* 12/2005 Wang ..... D14/357

(Continued)

*Primary Examiner* — Marie D. Fast Horse

(74) *Attorney, Agent, or Firm* — Fenwick & West LLP

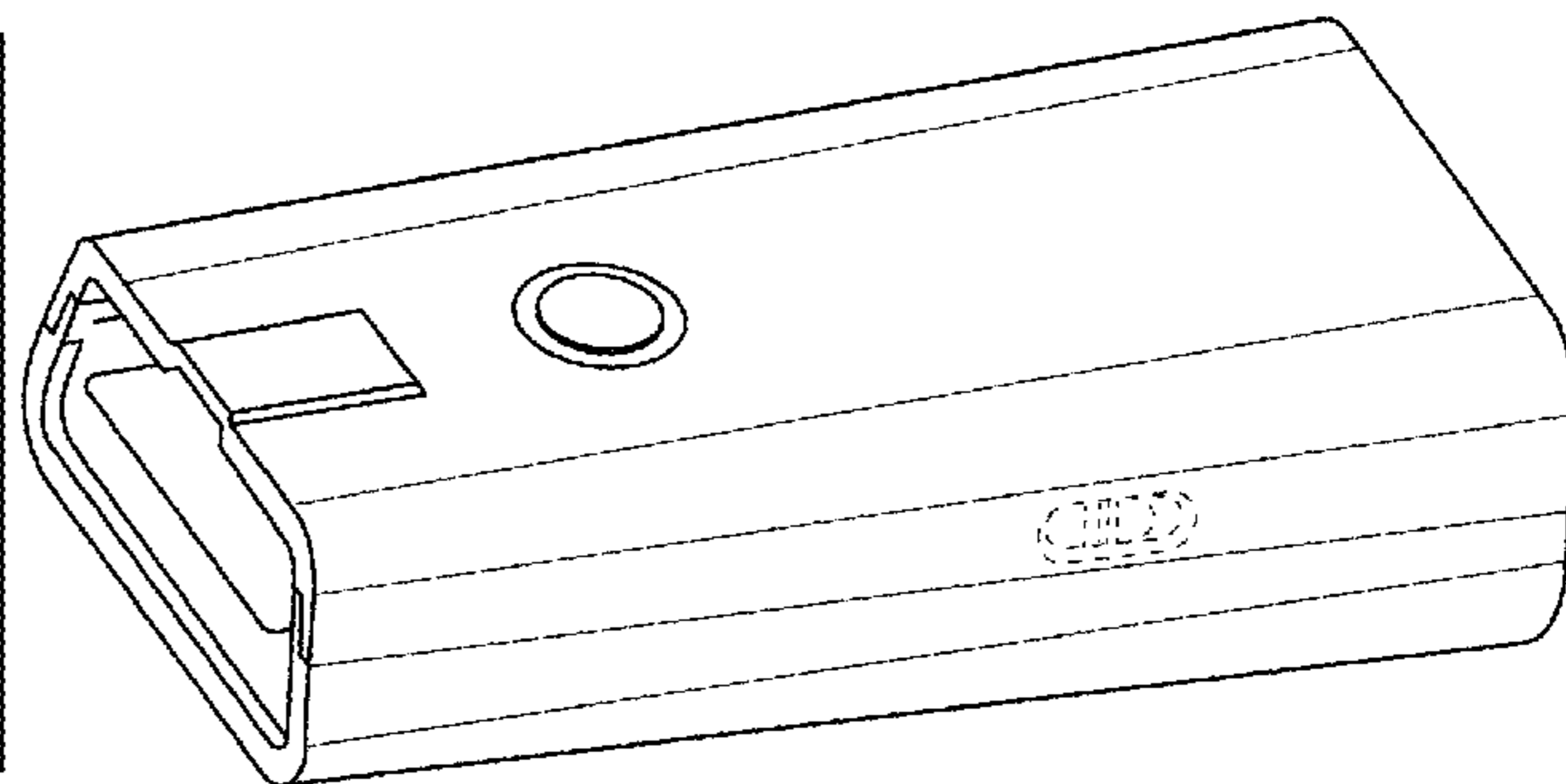
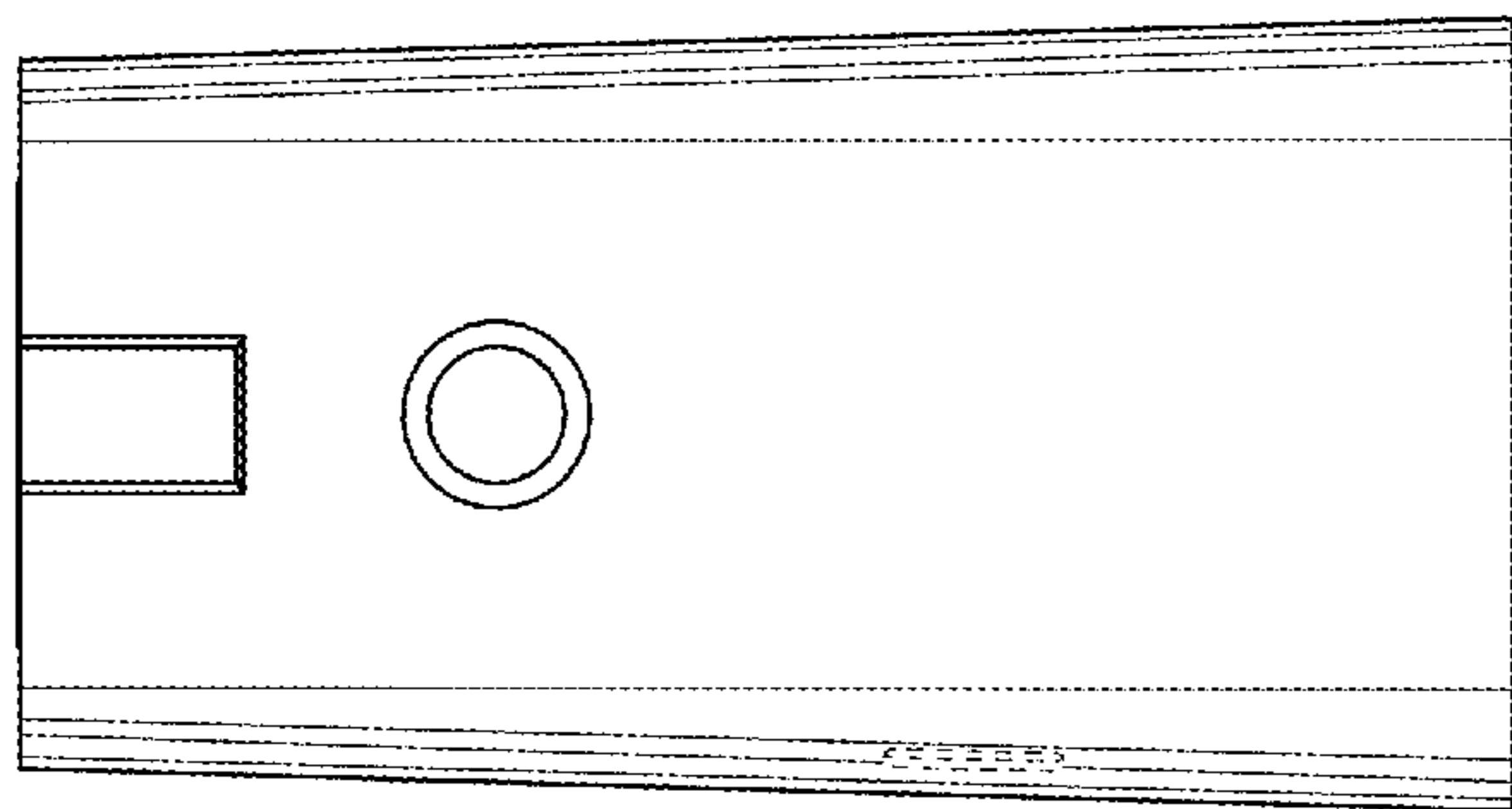
(57) **CLAIM**

The ornamental design for a vehicle data acquisition device, as shown and described.

**DESCRIPTION**

FIG. 1 is a first side view of the vehicle data acquisition device of the present invention.  
FIG. 2 is a top view of the vehicle data acquisition device of the present invention.  
FIG. 3 is a second side view of the vehicle data acquisition device of the present invention.  
FIG. 4 is a bottom view of the vehicle data acquisition device of the present invention.  
FIG. 5 is a front view of the vehicle data acquisition device of the present invention.  
FIG. 6 is a back view of the vehicle data acquisition device of the present invention; and,  
FIG. 7 is a front perspective view of the vehicle data acquisition device of the present invention.  
The broken lines in the drawings depict parts of the vehicle data acquisition device that form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D520,001 S *	5/2006	Katayama	D14/358	D742,379 S *	11/2015	Haidar	D14/383
D523,854 S *	6/2006	Rinna	D14/358	D743,815 S *	11/2015	Janu	D10/46
D571,241 S *	6/2008	Andreasen	D10/78	D745,865 S *	12/2015	Hsu	D14/240
D573,042 S *	7/2008	Gatz	D10/46	D753,110 S *	4/2016	Takano	D14/358
D577,721 S *	9/2008	O'Neil	D14/358	D782,683 S *	3/2017	Singh	D24/167
D585,060 S *	1/2009	Han	D14/358	D785,570 S *	5/2017	Fischer	D13/138.1
D585,061 S *	1/2009	Han	D14/358	D788,776 S *	6/2017	Marzette, Jr.	D14/358
D591,288 S *	4/2009	Miyazoe	D14/358	D789,361 S *	6/2017	Ali	D14/358
D604,725 S *	11/2009	Chen	D14/433	D789,931 S *	6/2017	Drew	D14/357
D618,224 S *	6/2010	Tong	D13/133	D791,767 S *	7/2017	Ali	D14/358
D618,225 S *	6/2010	Tong	D13/133	D795,722 S *	8/2017	Drew	D10/78
D618,226 S *	6/2010	Tong	D13/133	D798,296 S *	9/2017	Ali	D14/358
7,771,075 B2 *	8/2010	Luyckx	H01R 31/065 362/157	D804,339 S *	12/2017	Protti	D10/78
D669,894 S *	10/2012	Cobbett	D14/358	D806,040 S *	12/2017	Morris	D13/147
D670,696 S *	11/2012	Cobbett	D14/358	D821,393 S *	6/2018	Matsumiya	D14/358
D673,564 S *	1/2013	Milliff	D14/358	D822,065 S *	7/2018	Kang	D14/496
D684,130 S *	6/2013	Vincent	D13/184	D823,304 S *	7/2018	Drew	D10/78
D701,832 S *	4/2014	Drew	D13/133	D825,557 S *	8/2018	Matsumiya	D14/358
D704,146 S *	5/2014	Cacciabeve	D13/154	D825,568 S *	8/2018	Morris	D14/433
D716,803 S *	11/2014	Neumann	D14/358	D826,172 S *	8/2018	Morris	D13/147
D716,804 S *	11/2014	Neumann	D14/356	D828,838 S *	9/2018	Morris	D14/433
D721,605 S *	1/2015	Sallander	D10/78	D835,099 S *	12/2018	Brine	D14/358
D724,977 S *	3/2015	Browning	D10/80	D837,208 S *	1/2019	Ali	D14/358
D725,098 S *	3/2015	Neumann	D10/78	D837,209 S *	1/2019	Ali	D14/358
D725,099 S *	3/2015	Neumann	D10/78	D837,210 S *	1/2019	Ali	D14/358
D725,519 S *	3/2015	Drew	D10/75	D837,784 S *	1/2019	Ali	D14/358
D725,520 S *	3/2015	Varacca	D10/78	D843,250 S *	3/2019	Misson	D10/78
D727,906 S *	4/2015	Neumann	D14/358	D843,959 S *	3/2019	Tang	D14/125
D728,540 S *	5/2015	Inoue	D14/240	D846,413 S *	4/2019	Wang	D10/78
D734,306 S *	7/2015	Appleton	D14/240	D848,917 S *	5/2019	Zhao	D12/192
D738,240 S *	9/2015	Payne	D10/78	2011/0270485 A1 *	11/2011	Jones	G07C 5/0858 701/31.4
D738,762 S *	9/2015	Payne	D10/78	2016/0125669 A1 *	5/2016	Meyer	H04W 4/80 701/31.5
D741,861 S *	10/2015	Haidar	D14/383	2017/0020011 A1 *	1/2017	Fantin	H05K 5/0247
				2018/0132082 A1 *	5/2018	Vijayan	H04W 4/44

\* cited by examiner

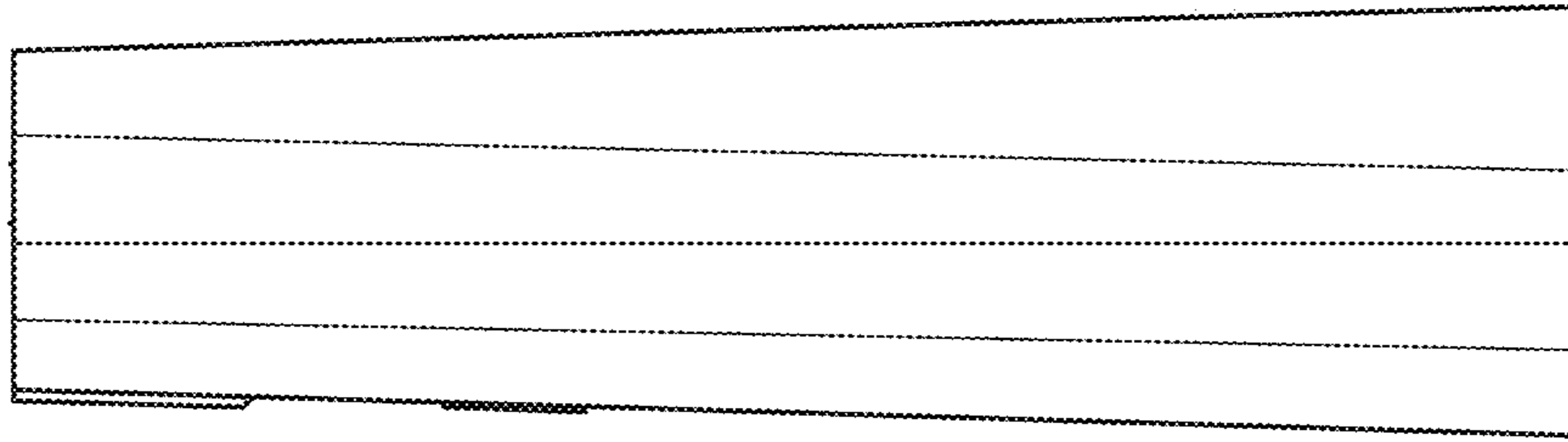


FIG. 1

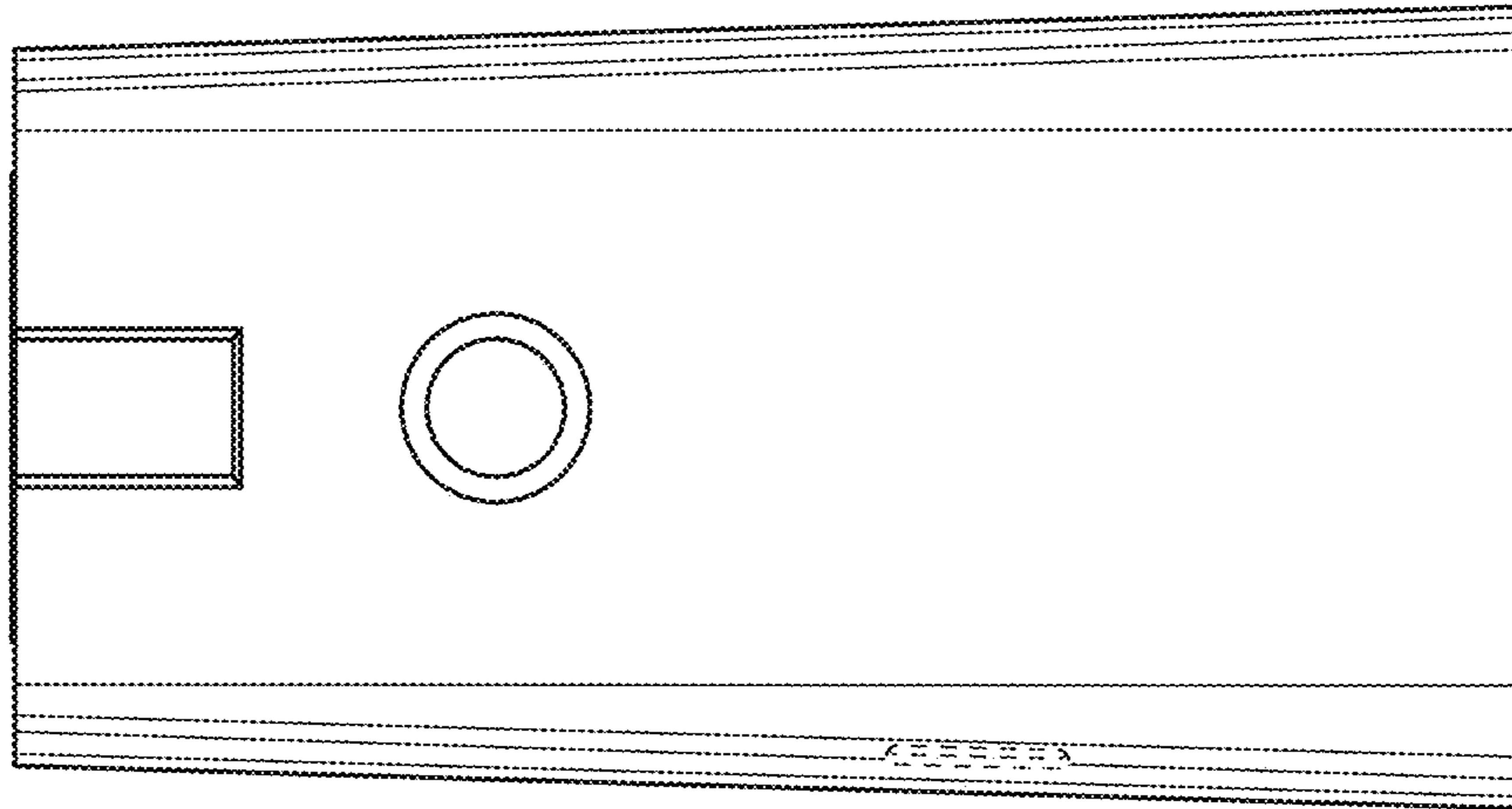


FIG. 2

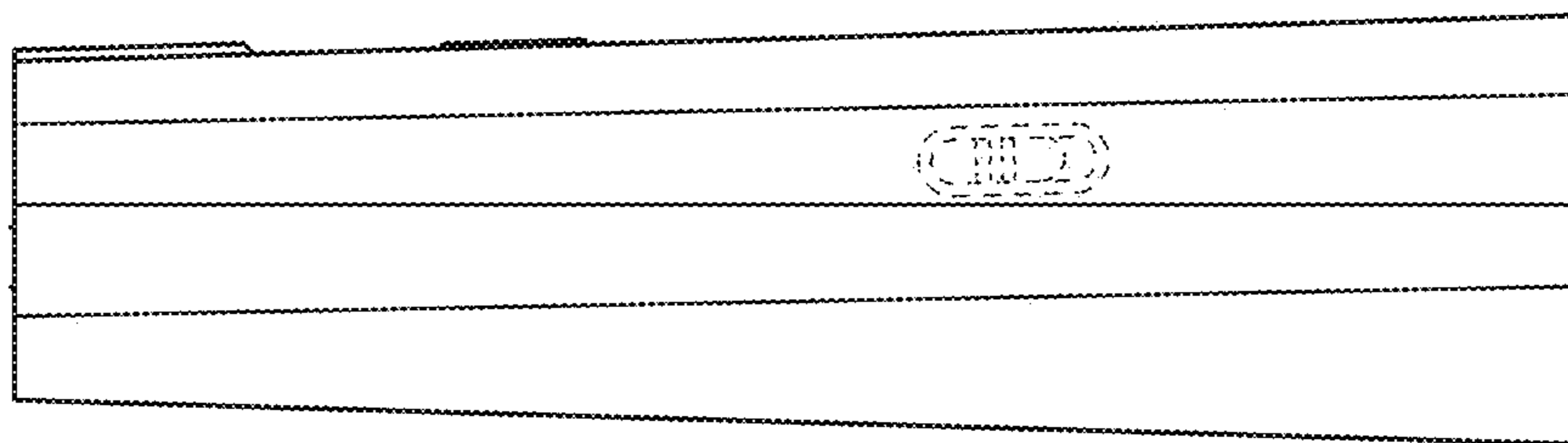


FIG. 3

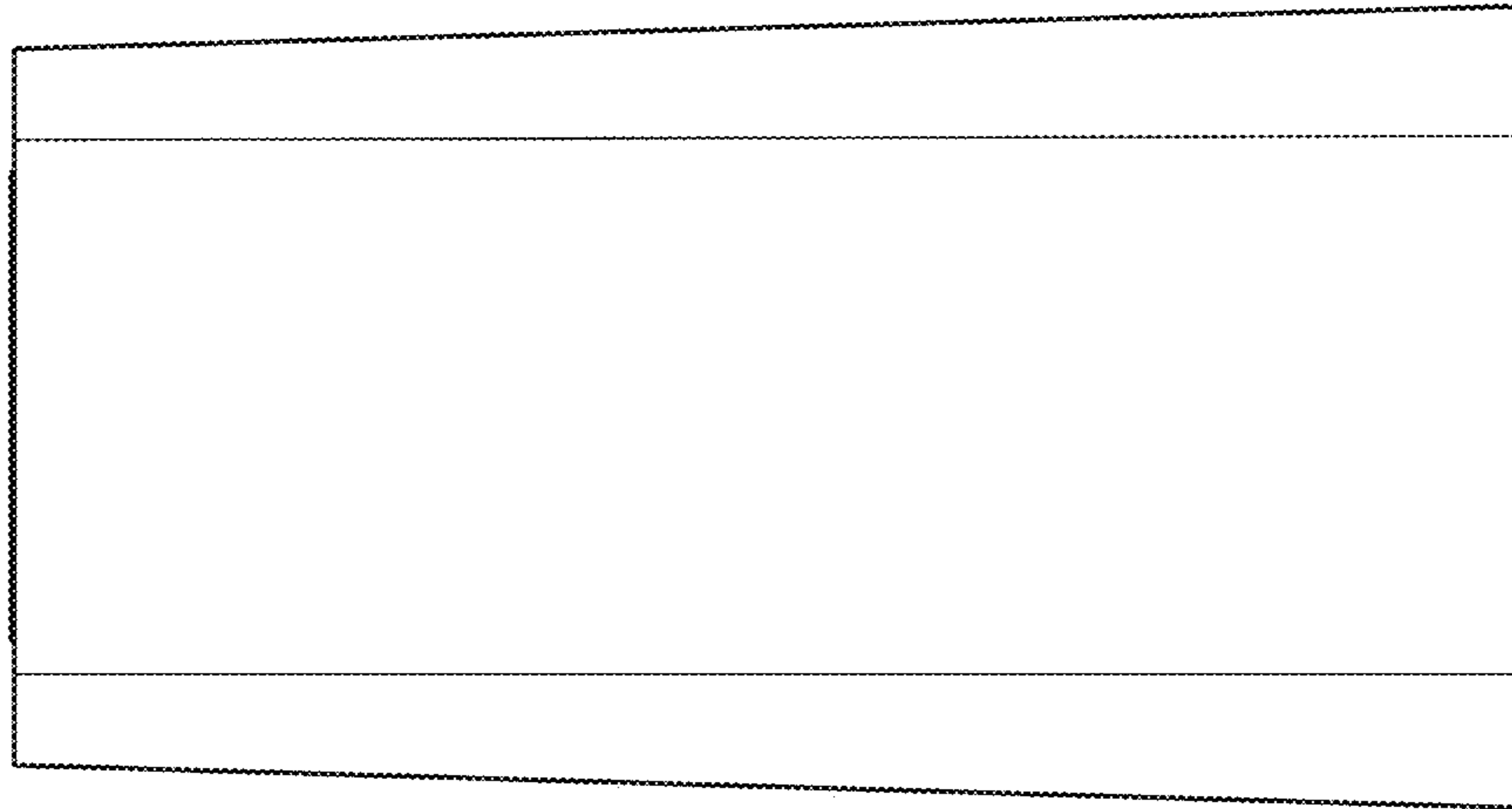


FIG. 4

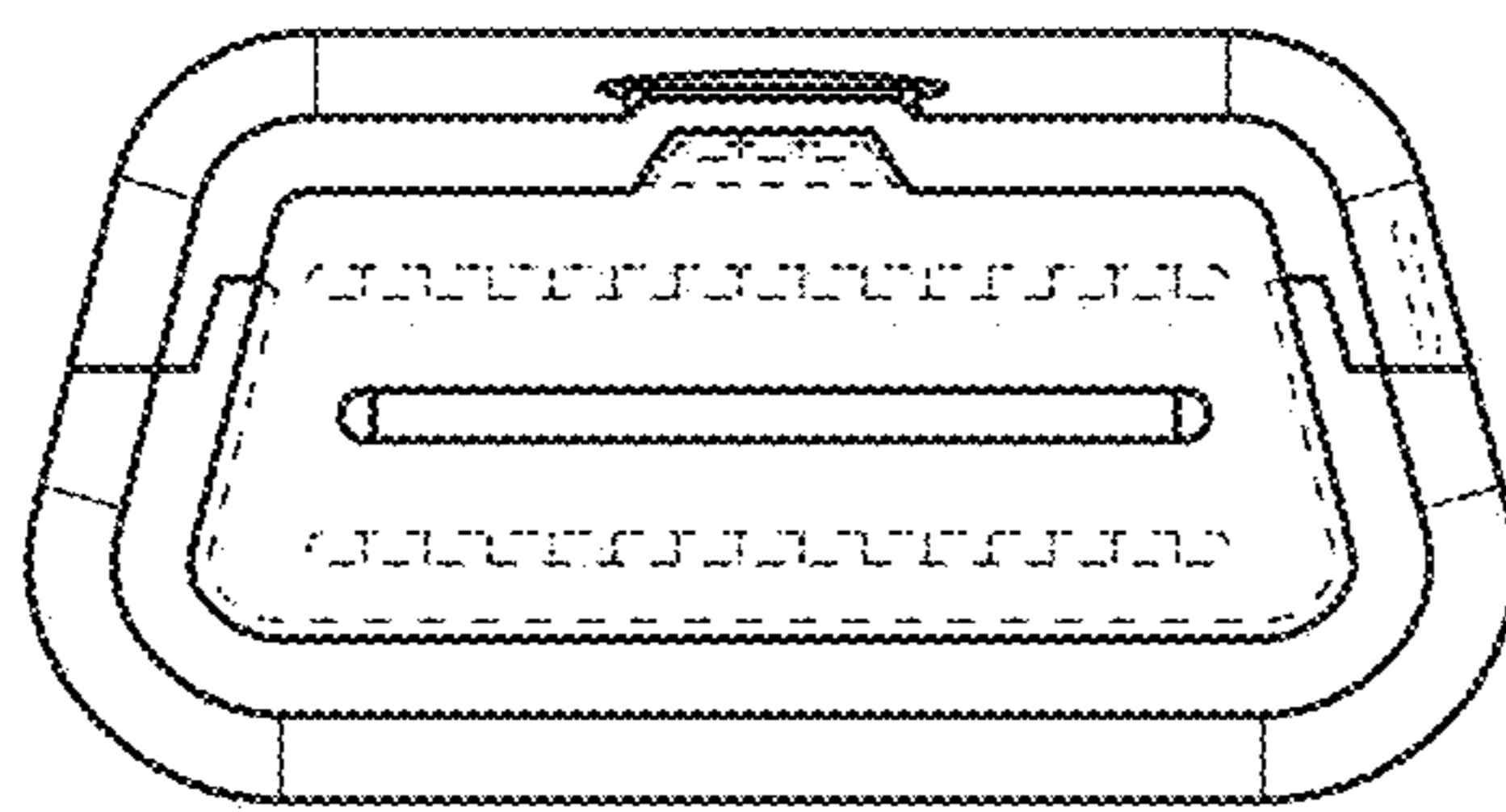


FIG. 5

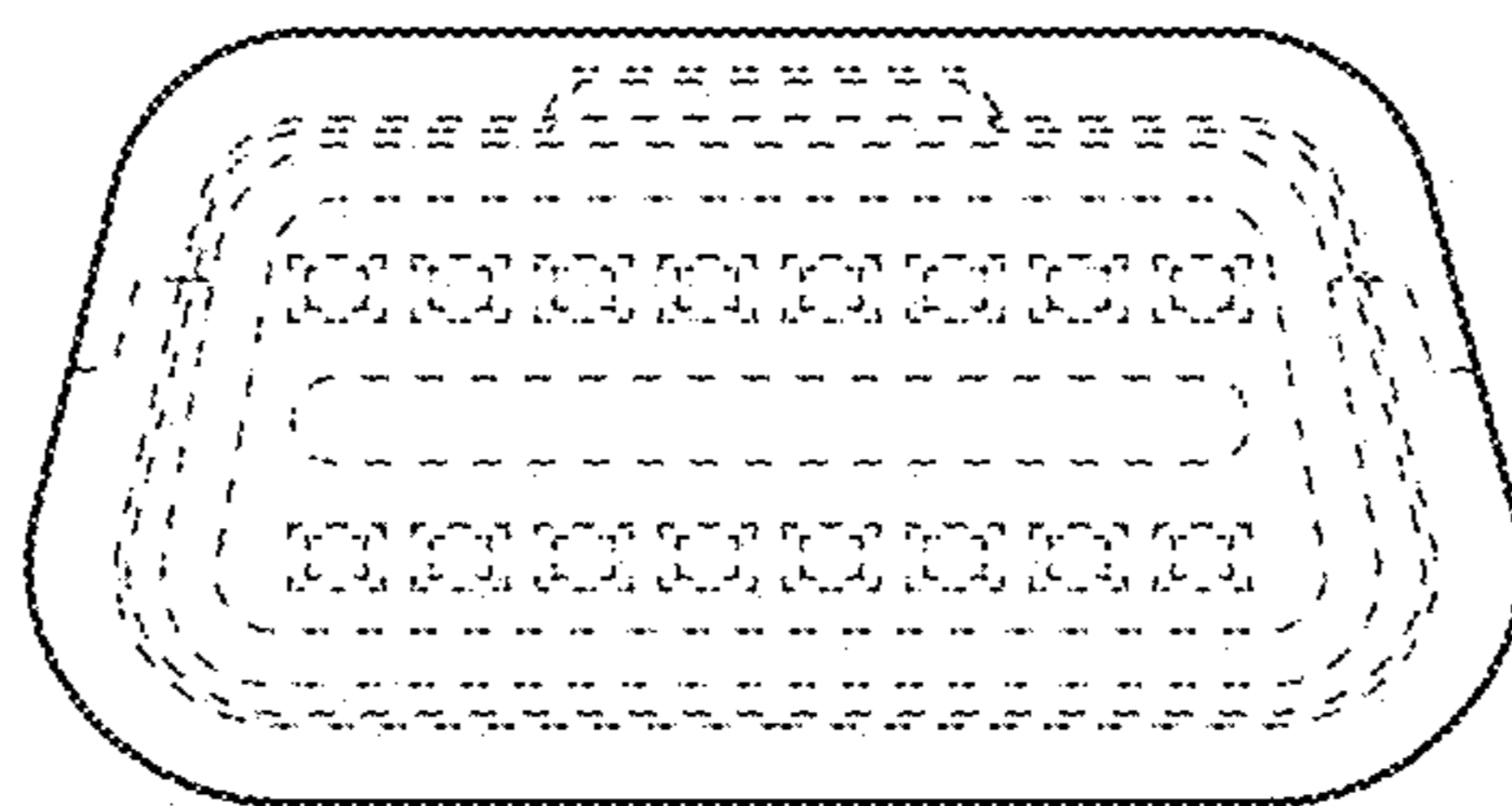


FIG. 6

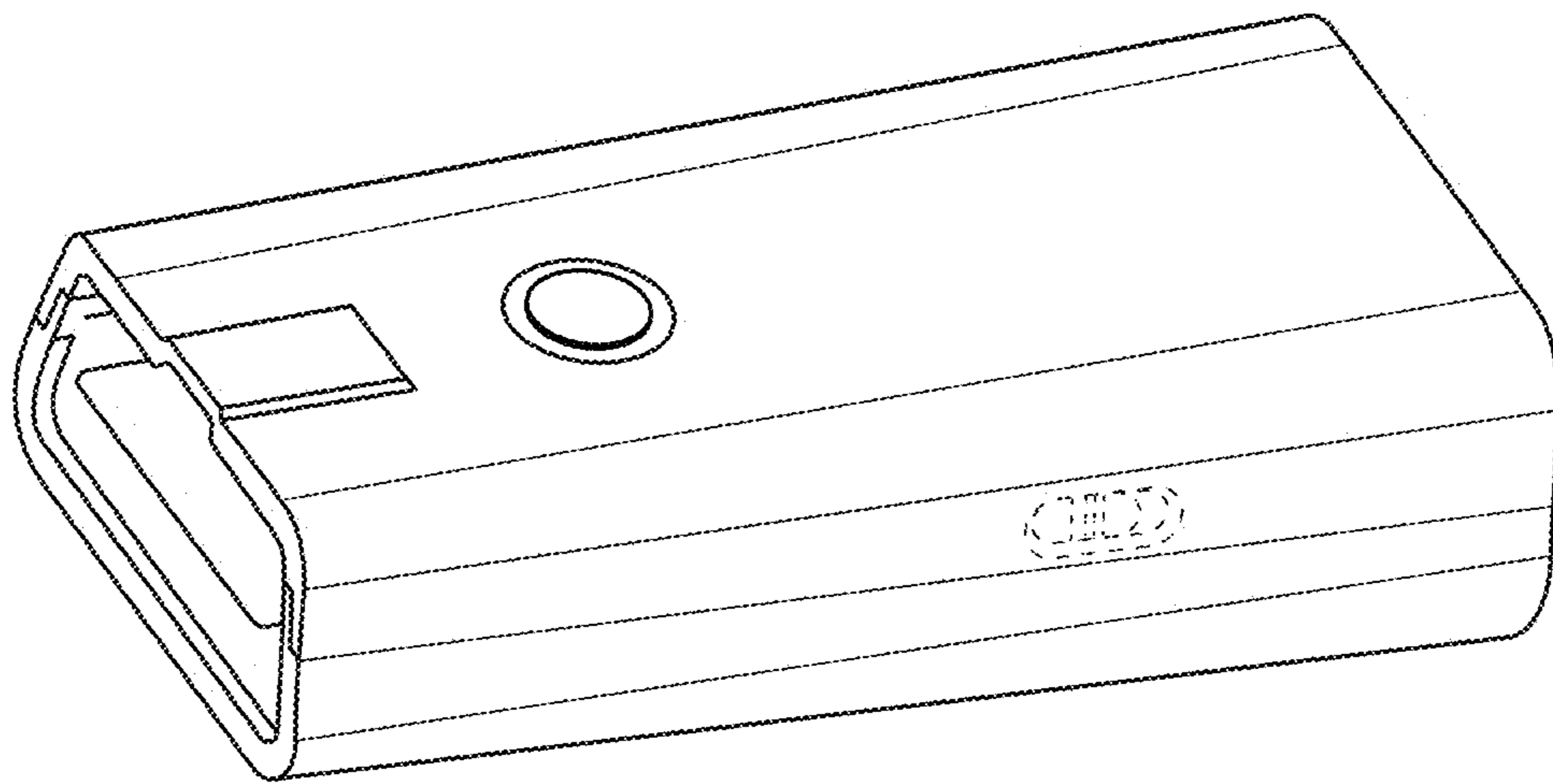


FIG. 7