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(12) United States Design Patent

Hershberger et al.

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(54) **BATTERY**

(71) Applicant: **Stryker Corporation**, Kalamazoo, MI (US)

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(73) Assignee: **Stryker Corporation**, Kalamazoo, MI (US)

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

(21) Appl. No.: **29/653,676**

(22) Filed: **Jun. 18, 2018**

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

(52) **U.S. Cl.**
USPC **D13/103**

(58) **Field of Classification Search**
USPC D13/102, 103, 107, 108, 110, 112, 113, D13/118, 119, 184, 199
CPC Y02T 10/7005; Y02T 10/705; Y02T 10/7088; H02J 7/025; H02J 7/0042; H02J 7/0044; H02J 7/0045; H02J 7/0003; H01F
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,418,087 A 5/1995 Klein
D364,375 S 11/1995 Sakashita et al.
(Continued)

FOREIGN PATENT DOCUMENTS

WO 2017155821 A1 9/2017
WO 2019153349 A1 8/2019

OTHER PUBLICATIONS

Web.archive.org: Dyonics Power large and small bone . . . Publish date of Sep. 7, 2015. Retrieved from the internet at <http://web.archive.org/web/20150907011554/https://www.smith-nephew.com/professional/microsites/academy/new-innovations/dyonics-power/>, Jan. 22, 2021. 2 pages. (Year: 2015).*
(Continued)

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(74) *Attorney, Agent, or Firm* — Howard & Howard Attorneys PLLC

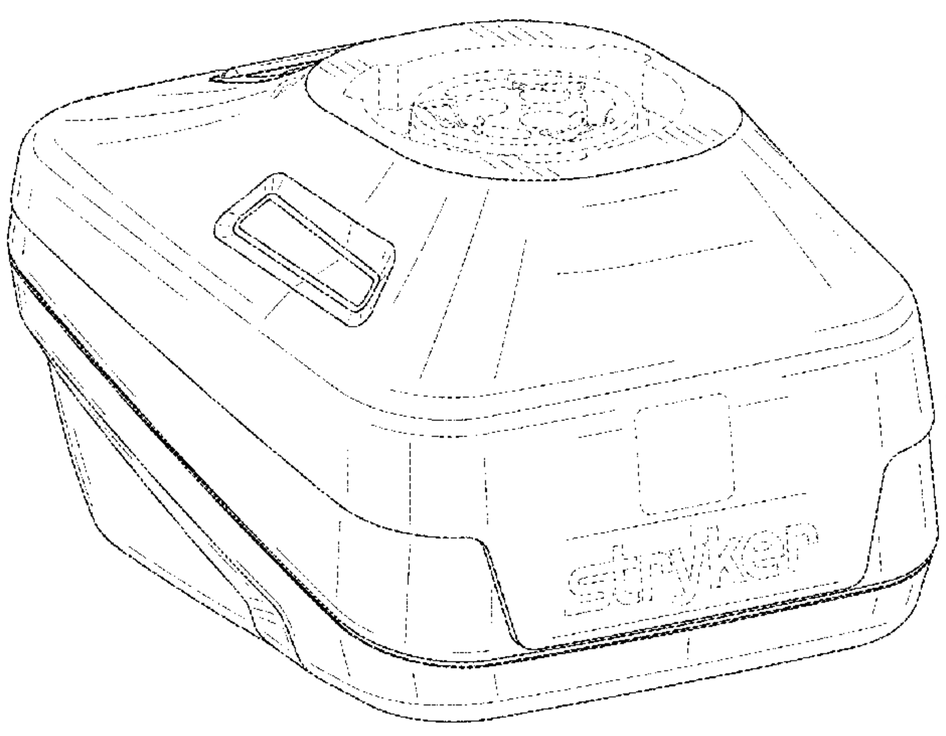
(57) **CLAIM**

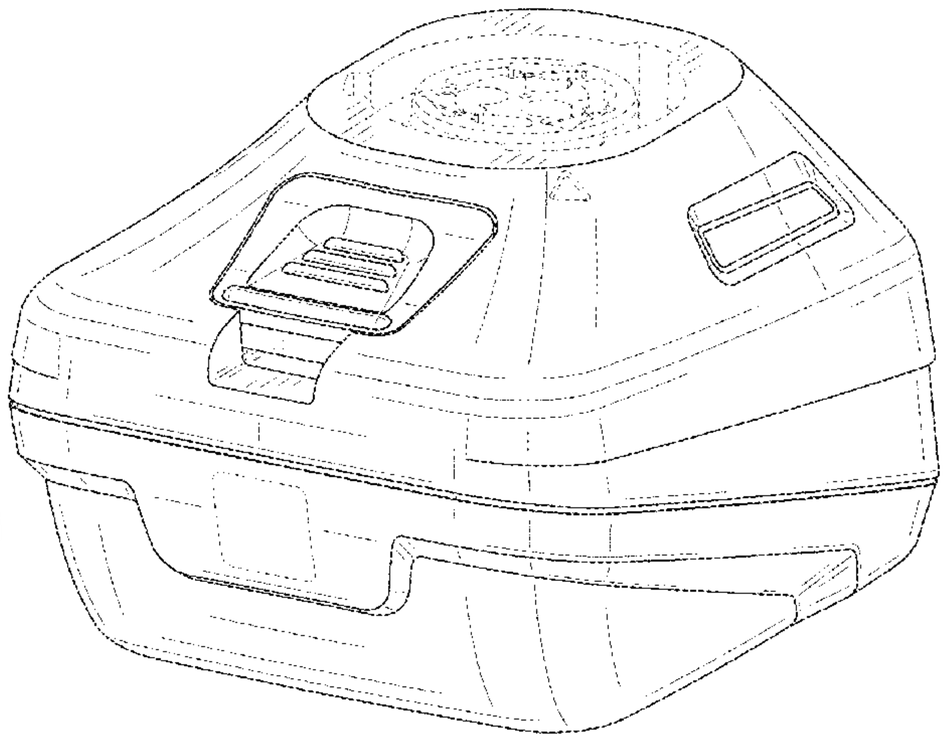
The ornamental design for a battery, as shown and described.

DESCRIPTION

FIG. **1** is a top, front, left perspective view of a battery, according to a first embodiment;
FIG. **2** is a top, rear, left perspective view of the battery of FIG. **1**;
FIG. **3** is a front elevational view of the battery of FIG. **1**;
FIG. **4** is a rear elevational view of the battery of FIG. **1**;
FIG. **5** is a right side elevational view of the battery of FIG. **1**;
FIG. **6** is a top plan view of the battery of FIG. **1**;
FIG. **7** is a top, front, left perspective view of a battery, according to a second embodiment;
FIG. **8** is a top, rear, left perspective of the battery of FIG. **7**;
FIG. **9** is a front elevational view of the battery of FIG. **7**;
FIG. **10** is a rear elevational view of the battery of FIG. **7**;
FIG. **11** is a right side elevational view of the battery of FIG. **7**; and,
FIG. **12** is a top plan view of the battery of FIG. **7**.
The broken lines in the drawings are for the purpose of illustrating portions of the article that form no part of the claimed design. Bottom views have been omitted as the bottom surfaces are flat and devoid of surface ornamentation.

1 Claim, 12 Drawing Sheets





(58) **Field of Classification Search**
CPC 38/14; H01M 2/02; H01M 2/022; H01M 2/0202; H01M 2/0207; H01M 2/0212; H01M 2/1061; H01M 2/1022; H01M 2/1055; H01M 2/1066; H01M 2/105; H01M 2/204; Y02E 60/12; Y02E 60/122; Y02E 60/124; Y02E 60/50
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D400,499	S	*	11/1998	Bunyea	D13/107
D413,564	S	*	9/1999	Hershberger	D13/103
5,977,746	A	*	11/1999	Hershberger	H01M 50/20 320/112
6,126,670	A		10/2000	Walker et al.	
D439,878	S		4/2001	Ark et al.	
D456,005	S	*	4/2002	Jokinen	D13/108
D462,321	S	*	9/2002	Ullmann	D13/108
6,553,642	B2		4/2003	Driessen	
D476,617	S		7/2003	Kasahara et al.	
D477,276	S		7/2003	Katsumoto et al.	
6,840,335	B1		1/2005	Wu	
6,887,244	B1		5/2005	Walker et al.	
7,121,362	B2		10/2006	Hsu et al.	
7,186,117	B2		3/2007	Chen	
7,205,745	B2		4/2007	Murashige et al.	
D548,177	S	*	8/2007	Okuda	D13/107
D563,868	S	*	3/2008	Christopher	D13/108
D577,666	S	*	9/2008	Nishizawa	D13/108
7,429,430	B2		9/2008	Mooty et al.	
D578,473	S	*	10/2008	Okuda	D13/107
D585,369	S	*	1/2009	Castellucci	D13/108
7,619,387	B2		11/2009	Amend et al.	
D619,092	S		7/2010	Eilertsen et al.	
D619,093	S		7/2010	Eilertsen et al.	
D633,034	S		2/2011	Heine et al.	
D642,057	S		7/2011	Reed et al.	
D693,765	S		11/2013	Workman et al.	
8,822,067	B2		9/2014	Johnson et al.	
8,878,490	B2		11/2014	LaSota et al.	
8,974,932	B2		3/2015	McGahan et al.	
9,427,505	B2		8/2016	Askem et al.	
9,461,281	B2		10/2016	Wackwitz et al.	
9,819,051	B2		11/2017	Johnson et al.	
9,872,696	B2		1/2018	Smith et al.	
9,884,416	B2		2/2018	Chellew et al.	
10,224,566	B2		3/2019	Johnson et al.	
10,276,844	B2		4/2019	Wackwitz et al.	
D851,584	S		6/2019	Luke et al.	
10,511,008	B2		12/2019	Brush et al.	
D900,020	S	*	10/2020	Hershberger	D13/103
2008/0150474	A1	*	6/2008	Ball	G01R 31/3646 320/106
2012/0244399	A1		9/2012	Tartaglia	
2014/0151079	A1	*	6/2014	Furui	B25F 3/00 173/46
2017/0294787	A1	*	10/2017	Taga	H02J 7/0044
2018/0205051	A1		7/2018	Sakai et al.	
2019/0027720	A1		1/2019	Rejman et al.	
2020/0197027	A1	*	6/2020	Hershberger	A61B 17/1628

OTHER PUBLICATIONS

Stryker Corporation, "System 8 power tools: A family of power tools built for the whole hospital", copyright 2017; 5 pages.
Synthes, "Power Drive. Battery-driven power tool system for orthopaedics and traumatology." User's Manual, copyright 2000; 29 pages.

* cited by examiner

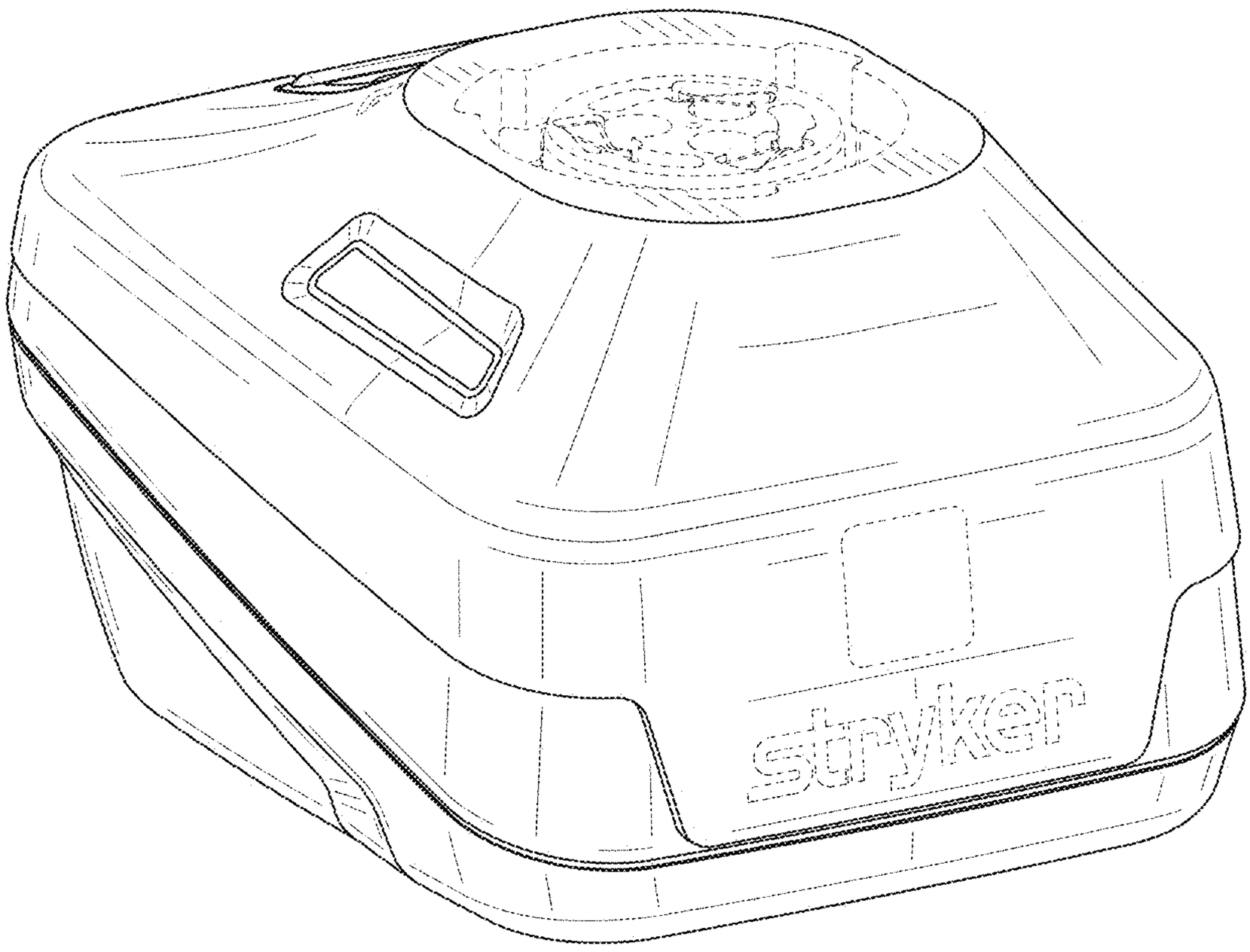


FIG. 1

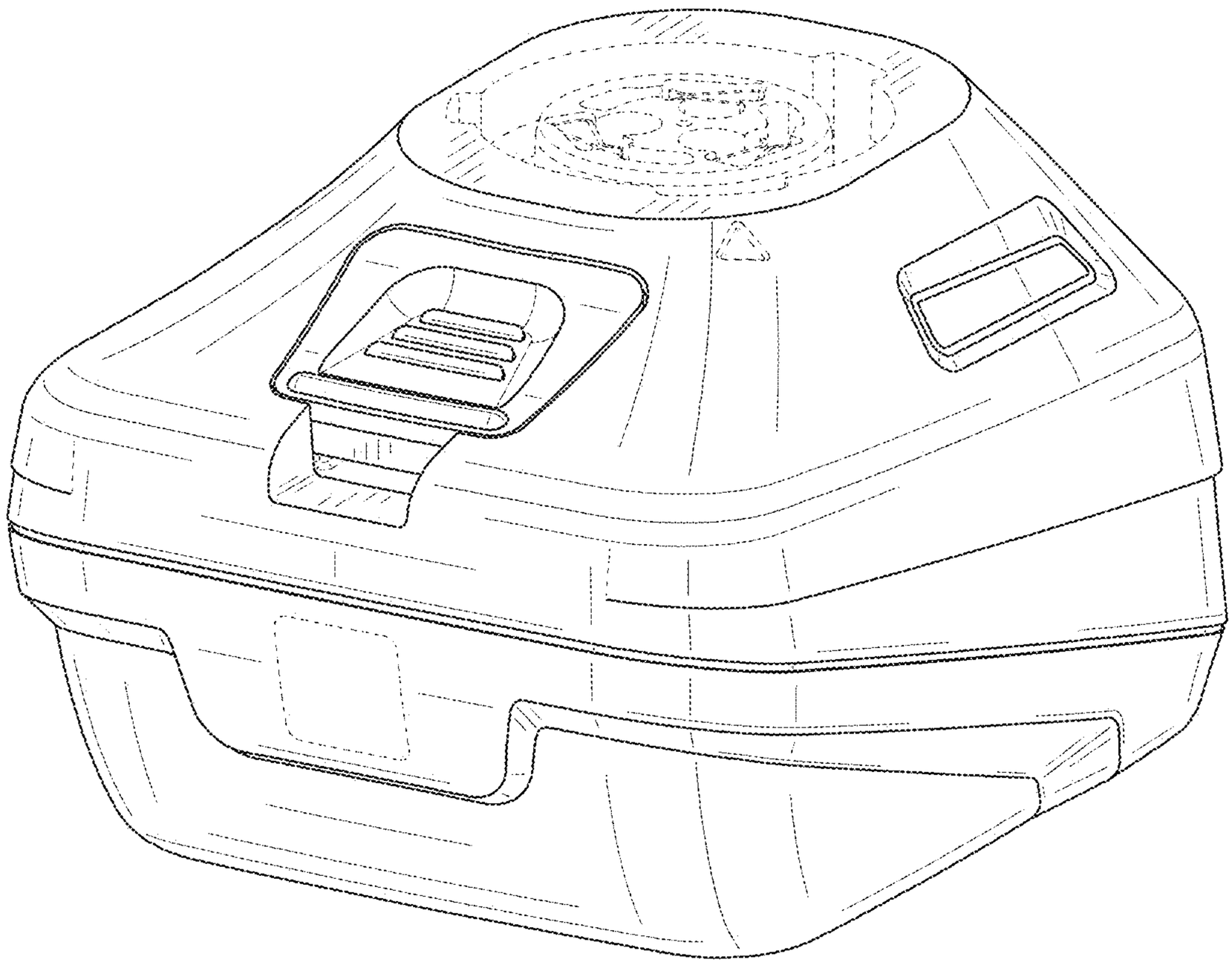


FIG. 2

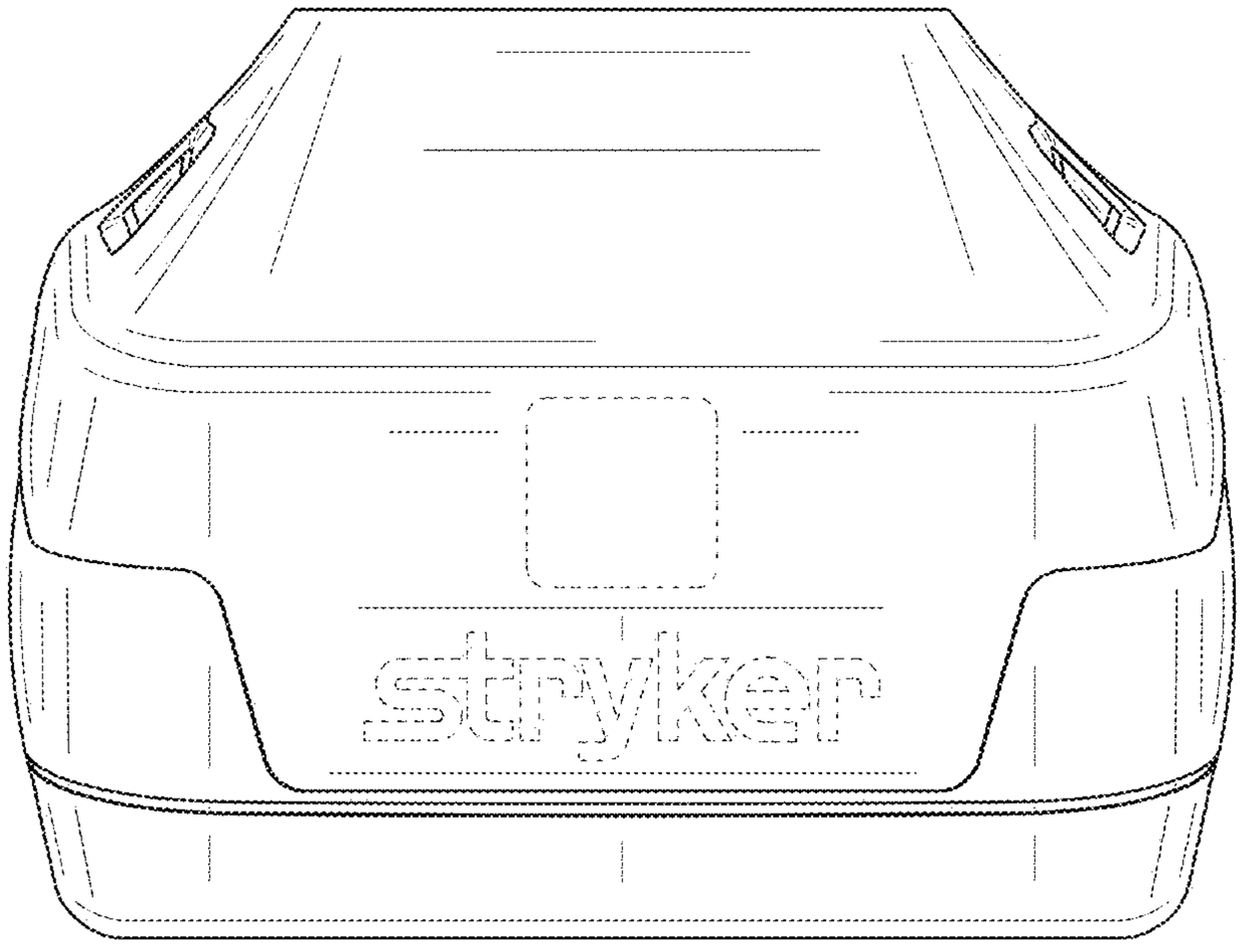


FIG. 3

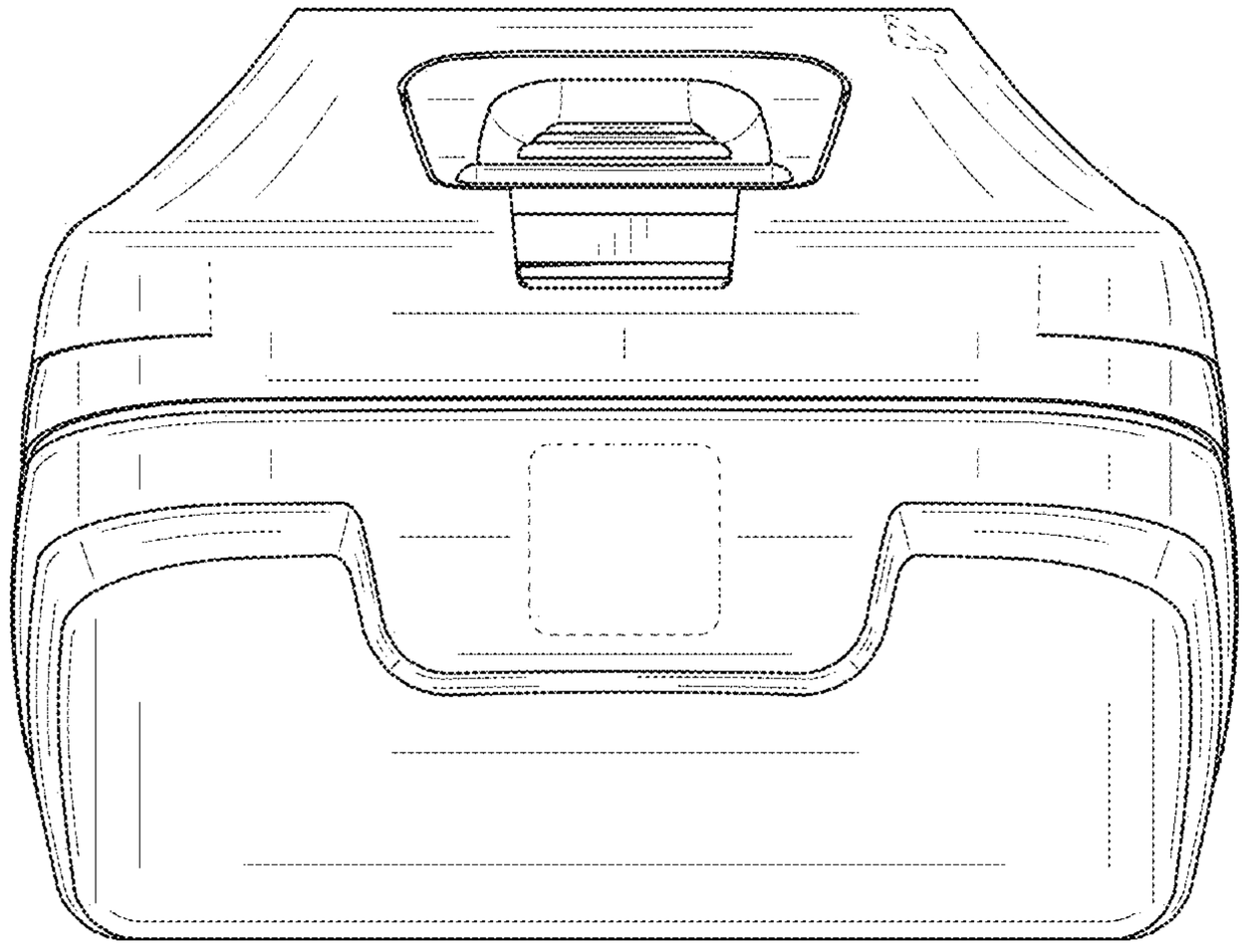


FIG. 4

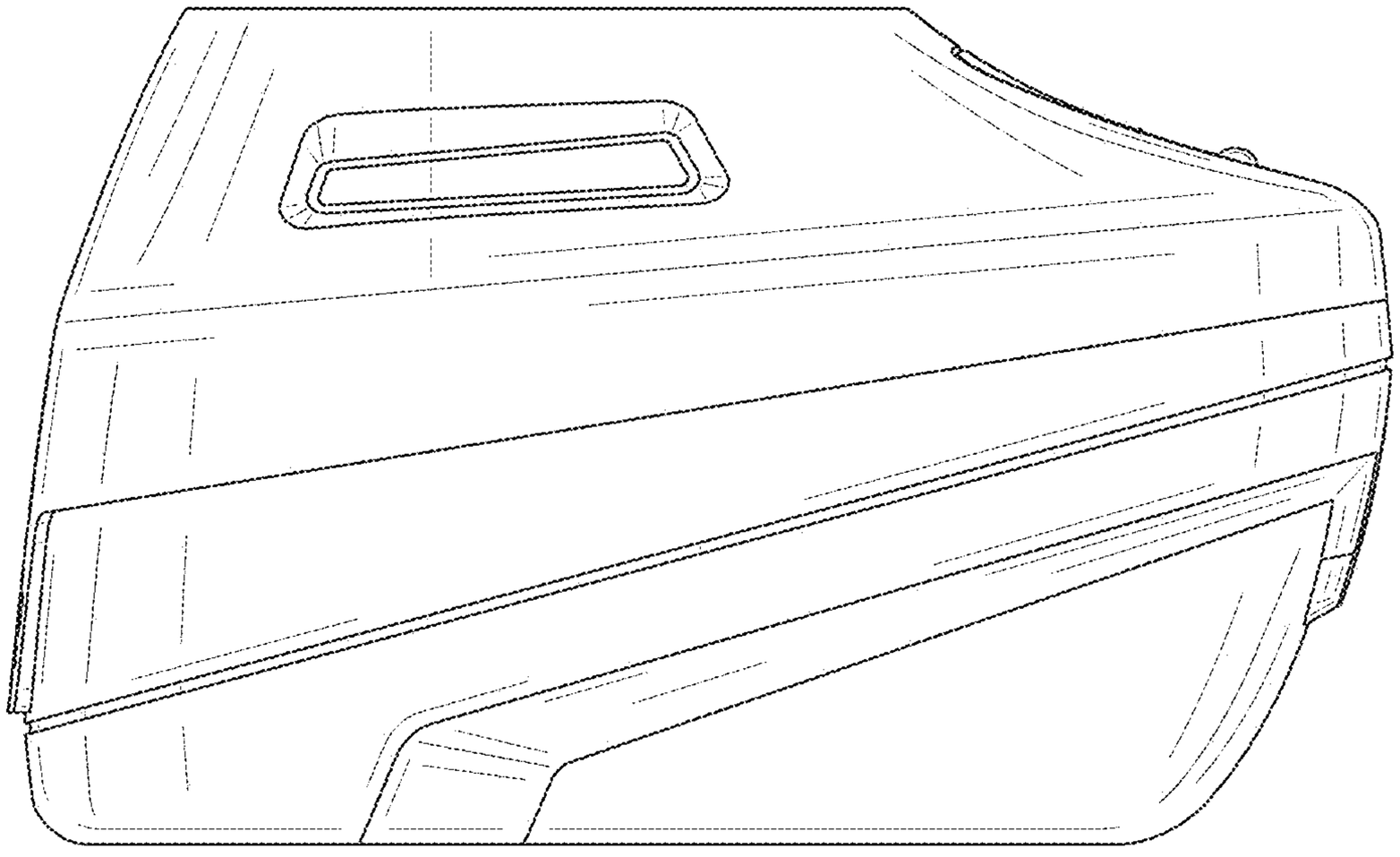


FIG. 5

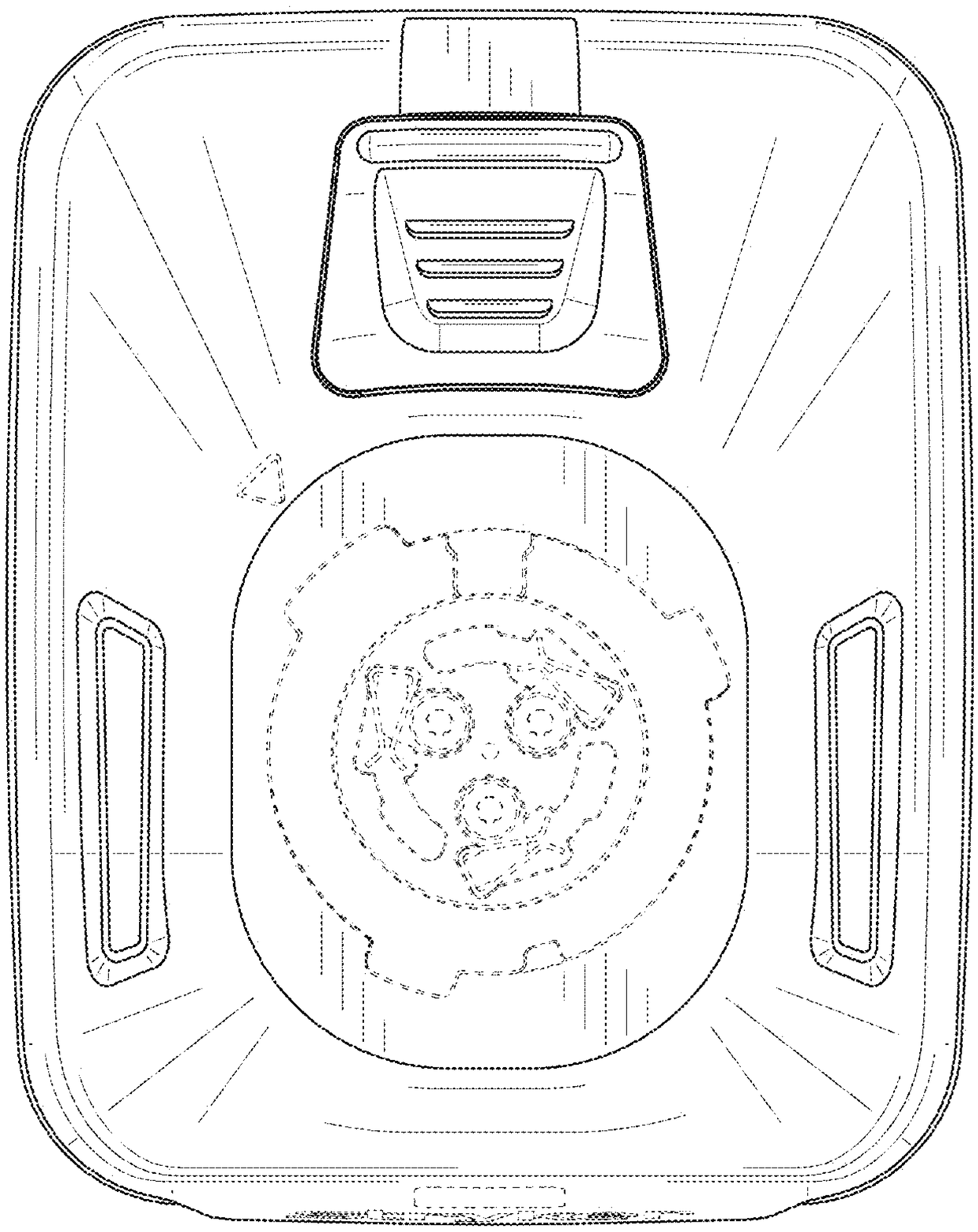


FIG. 6

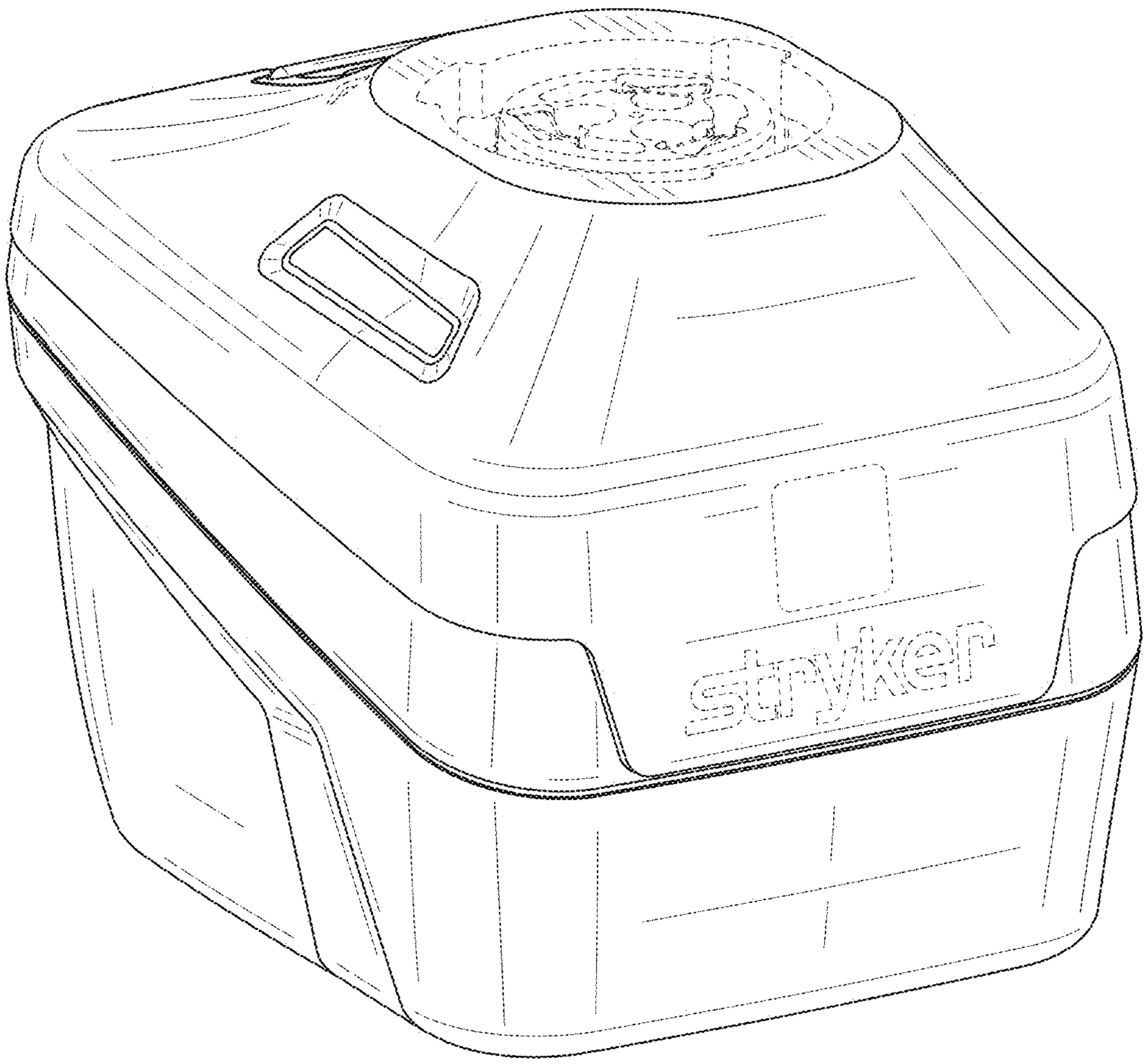


FIG. 7

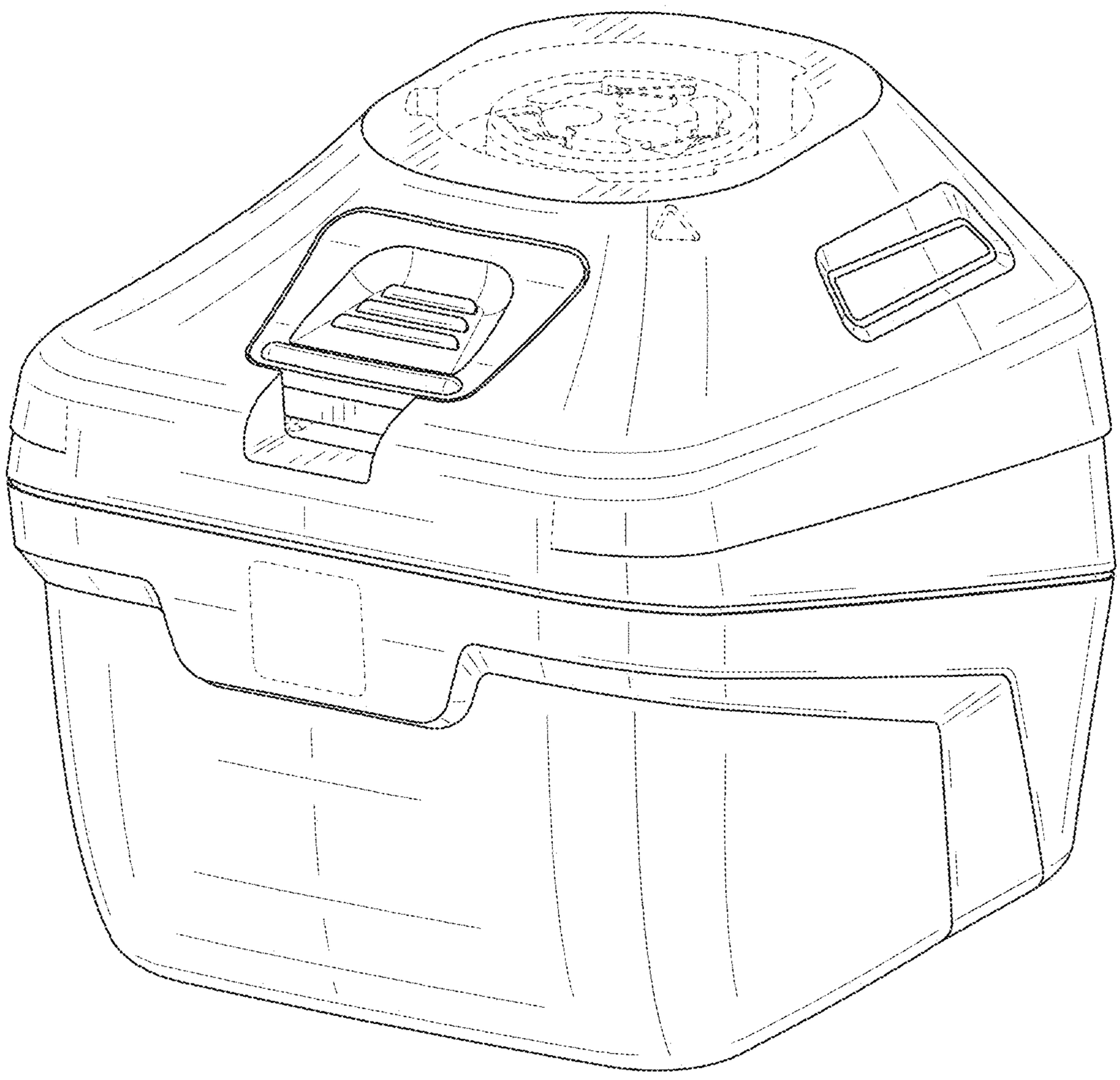


FIG. 8

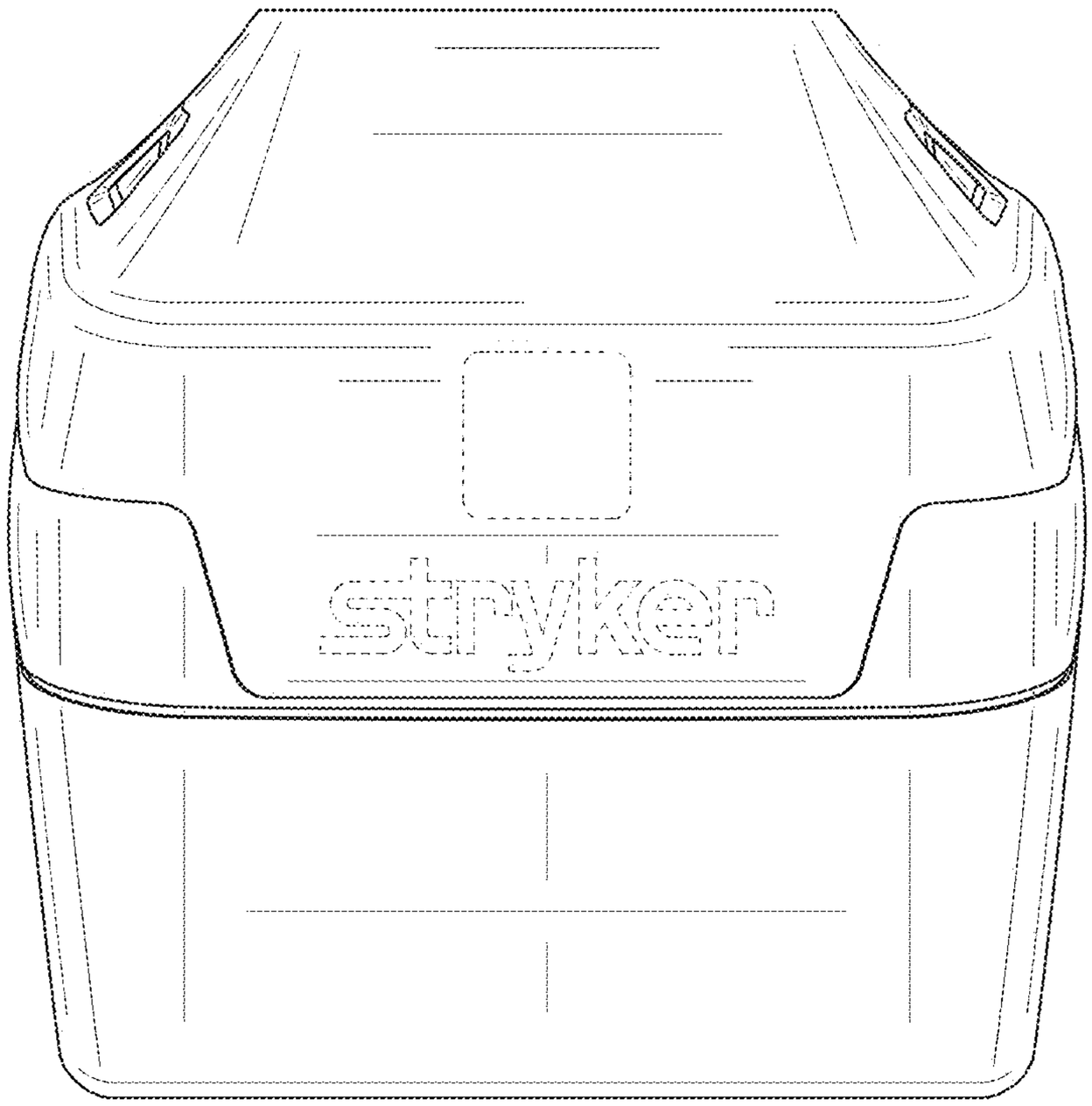


FIG. 9

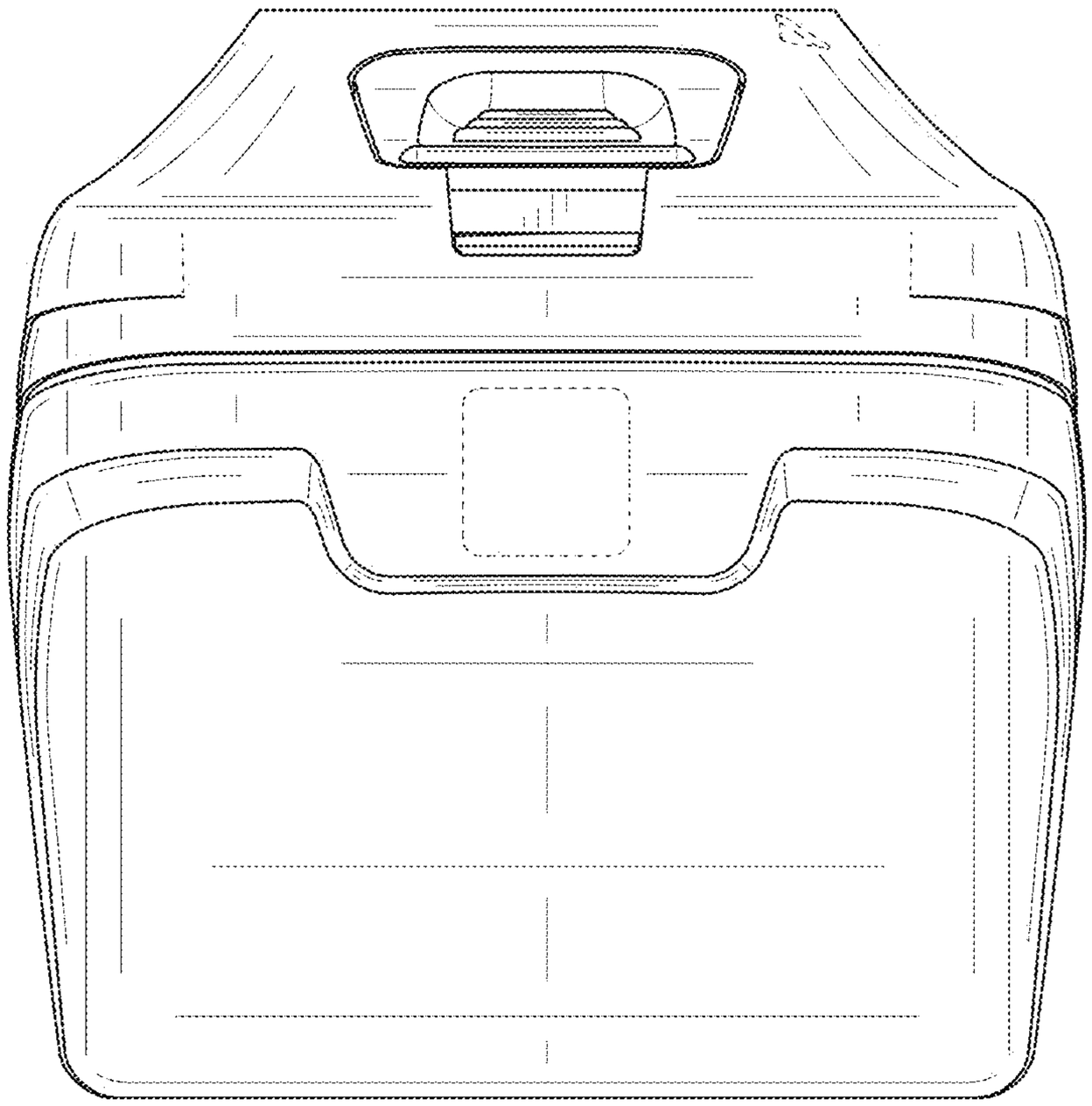


FIG. 10

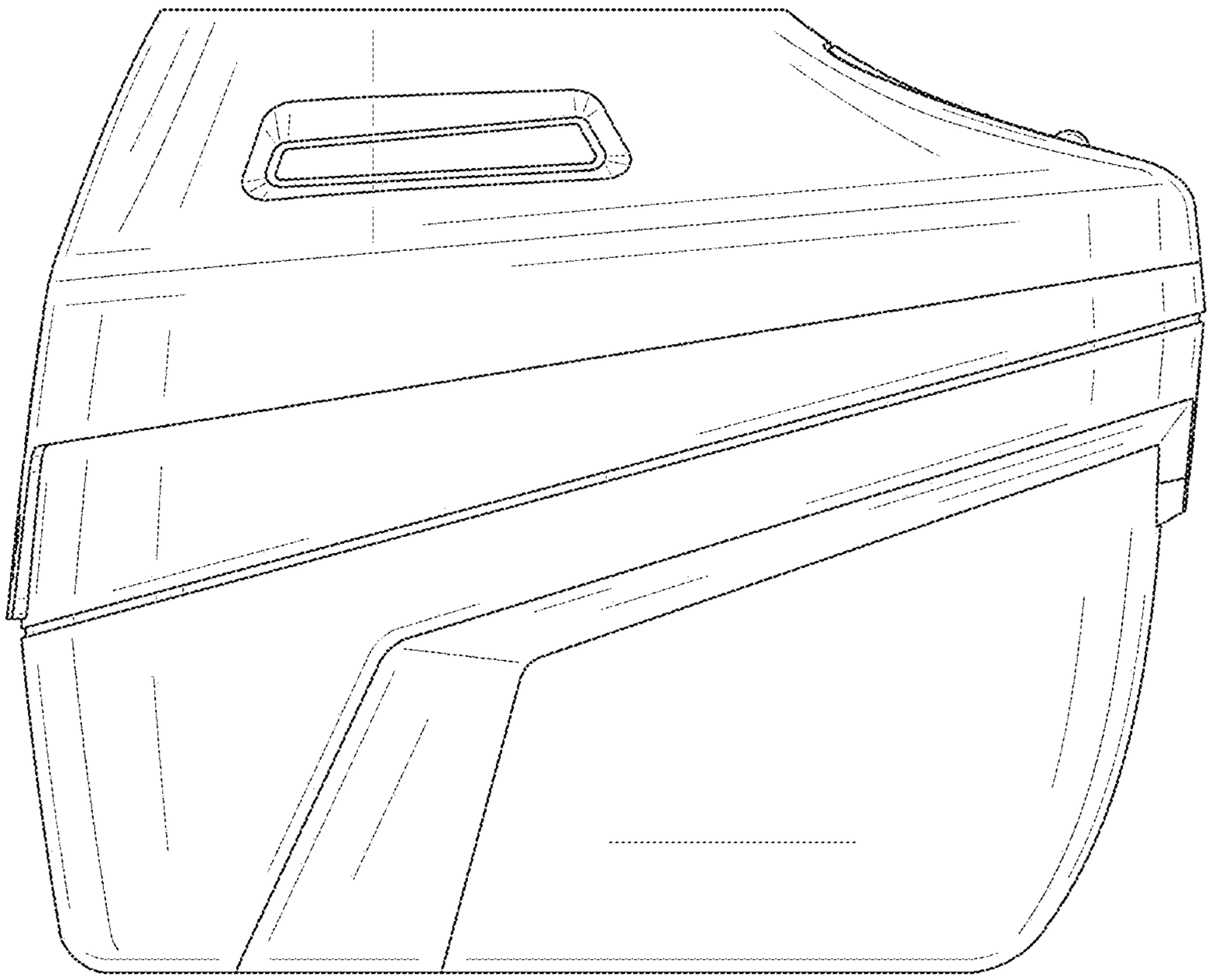


FIG. 11

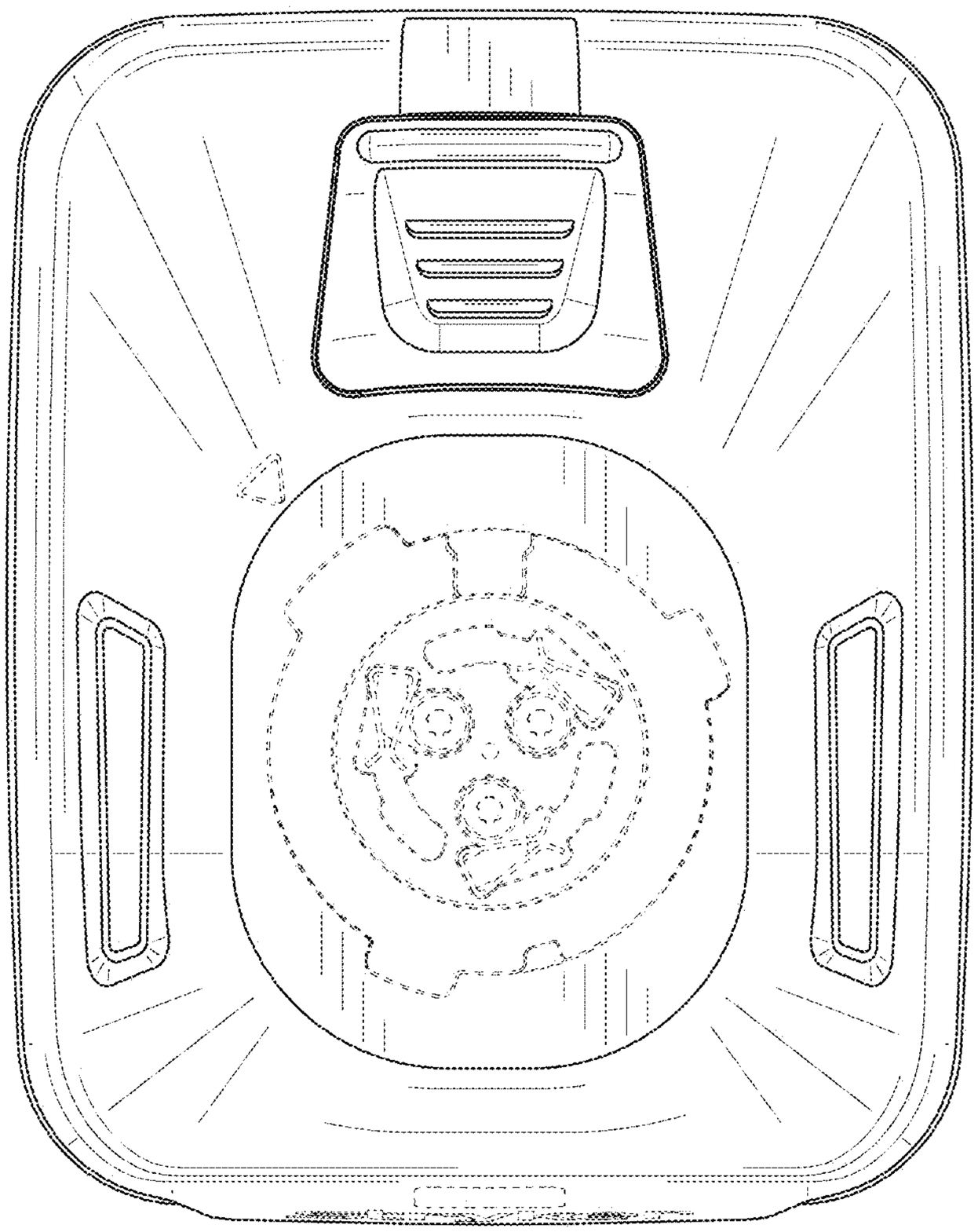


FIG. 12