US00D912585S

(12) United States Design Patent

Pereira et al.

(10) Patent No.: US D912,585 S
(45) Date of Patent: ** Mar. 9, 2021

(54) **FAIRING WITH FLOW CHANNELS**

(71) Applicant: **SABIC Global Technologies B.V.**, Bergen op Zoom (NL)

(72) Inventors: **Carlos Pereira**, Selkirk, NY (US); **Max Ulysses Morton**, Averill Park, NY (US); **Matthew Douglas Marks**, White Lake, MI (US)

(73) Assignee: **SABIC GLOBAL TECHNOLOGIES B.V.**, Bergen op Zoom (NL)

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

(21) Appl. No.: **29/675,576**

(22) Filed: **Jan. 3, 2019**

Related U.S. Application Data

(62) Division of application No. 29/579,080, filed on Sep. 27, 2016, now Pat. No. Des. 886,010.

(51) **LOC (13) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/181**

(58) **Field of Classification Search**
USPC D12/88, 92, 190, 400, 196, 191, 401, D12/181, 96
CPC B62D 25/10; B62D 25/16; B62D 25/168; B62D 35/005; B62D 35/007; B62D 35/00; B62D 35/001; B60R 9/05; B60R 13/02; B60R 13/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,343,506	A	8/1982	Saltzman et al.
D296,775	S	7/1988	Hatch et al.
D313,966	S	1/1991	Marlowe et al.
D314,163	S	1/1991	Harris et al.
D339,314	S	9/1993	Moar
D343,819	S	2/1994	Meryman et al.
D374,418	S	10/1996	Griffin et al.
D384,317	S	9/1997	Jahnke
D411,142	S	6/1999	Sacco et al.
D412,463	S	8/1999	Sacco et al.
D421,412	S	3/2000	Sutton et al.

(Continued)

FOREIGN PATENT DOCUMENTS

JP	S5739881	U	3/1982
JP	S5795264	A	6/1982

(Continued)

OTHER PUBLICATIONS

D. Lockney, "Aerodynamics Research Revolutionizes Truck Design," Nasa Spinoff Technology Transfer Program, pp. 1-4, https://spinoff.nasa.gov/Spinoff2008_3.html.

Primary Examiner — Susan E Krakower
Assistant Examiner — Jerry Shiuan-Hua Hsu
(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(57) **CLAIM**

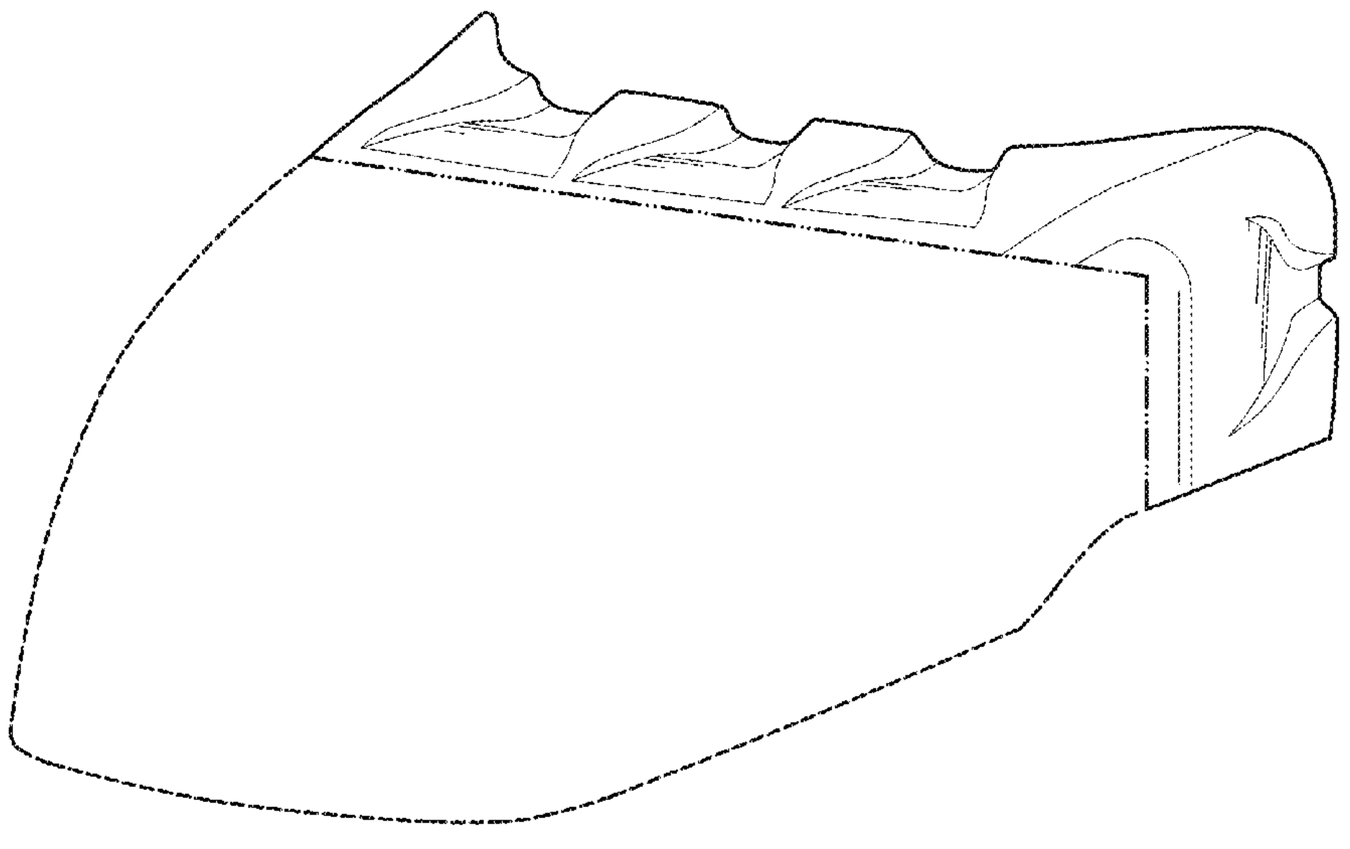
The ornamental design for a fairing with flow channels, as shown and described.

DESCRIPTION

FIG. **1** is a top, front, left perspective view of a fairing with flow channels according to our new design;
FIG. **2** is a left side elevation view thereof;
FIG. **3** is a right side elevation view thereof;
FIG. **4** is a front elevation view thereof;
FIG. **5** is a rear elevation view thereof;
FIG. **6** is a top plan view thereof; and,
FIG. **7** is a bottom plan view thereof.

The broken lines illustrate portions of the fairing with flow channels that form no part of the claimed design. The dash-dot-dot line broken lines define a boundary of the claimed design and form no part thereof.

1 Claim, 4 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D424,489	S		5/2000	Damon et al.
D434,347	S		11/2000	Damon et al.
D465,749	S		11/2002	Beigel et al.
D475,657	S		6/2003	Wong et al.
6,634,700	B1	*	10/2003	Calvert B62D 35/00 296/180.1
D522,425	S	*	6/2006	Beigel D12/196
D525,182	S		7/2006	Beigel et al.
D525,567	S		7/2006	Beigel et al.
D535,597	S		1/2007	Herpel
D589,420	S		3/2009	Raghavendran et al.
D613,224	S		4/2010	Beigel et al.
D620,411	S	*	7/2010	Beigel D12/196
D620,412	S	*	7/2010	Beigel D12/196
D623,092	S		9/2010	Beigel et al.
D633,015	S		2/2011	Peltola et al.
D651,136	S	*	12/2011	Stimel, Jr. D12/96
D657,717	S		4/2012	Stimel, Jr.
D666,541	S		9/2012	Stimel, Jr.
D686,123	S		7/2013	Peltola et al.
D687,359	S		8/2013	Peltola et al.
D699,648	S		2/2014	Sancer et al.
D703,105	S	*	4/2014	Riggs D12/96
D707,605	S		6/2014	Duncan et al.
D709,007	S		7/2014	Henry et al.
D709,008	S		7/2014	Brzustowicz et al.
D709,009	S		7/2014	Brzustowicz et al.
D710,773	S		8/2014	Ito et al.
D752,488	S		3/2016	Peltola et al.
D760,633	S		7/2016	Peltola et al.
D766,793	S		9/2016	Brzustowicz et al.
D780,648	S		3/2017	Pereira et al.
9,682,735	B2	*	6/2017	Bacon B62D 35/001
D813,772	S	*	3/2018	Anderson D12/196
D814,376	S		4/2018	Anderson et al.
D818,909	S	*	5/2018	Yates D12/181
D820,749	S		6/2018	Schellekens et al.
D825,391	S		8/2018	Von Holzhausen et al.
10,214,252	B2		2/2019	Schellekens et al.
D859,217	S		9/2019	Von Holzhausen et al.
D862,330	S		10/2019	Schellekens et al.
10,518,825	B2	*	12/2019	Pereira B62D 35/001
2011/0148142	A1		6/2011	Kint
2014/0265433	A1		9/2014	Fritts
2018/0001943	A1		1/2018	Schellekens et al.

FOREIGN PATENT DOCUMENTS

JP	2001-334962	A	12/2001
WO	WO 2015/052655	A1	4/2015
WO	WO 2016/001860	A1	1/2016
WO	WO 2016/077669	A1	5/2016
WO	WO 2016/098024	A1	6/2016
WO	WO 2018/064197	A1	4/2018

* cited by examiner

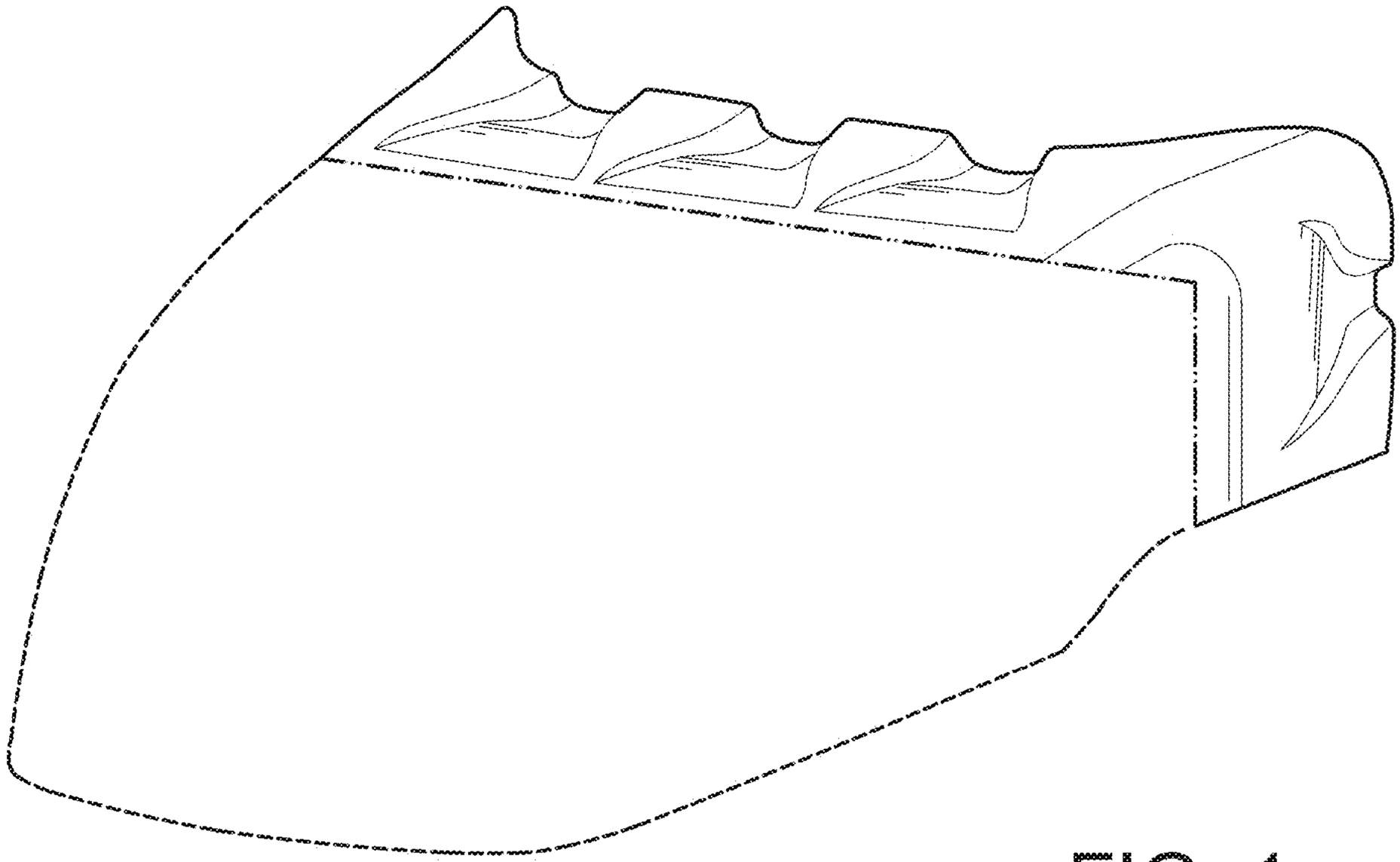


FIG. 1

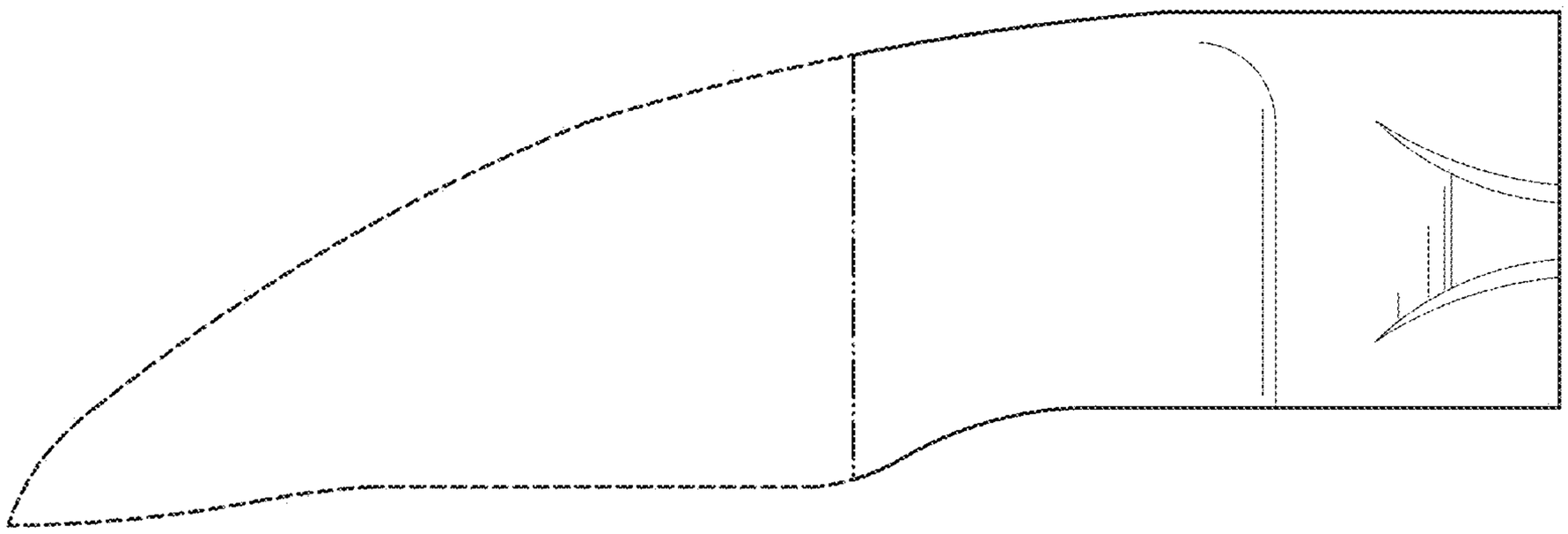


FIG. 2

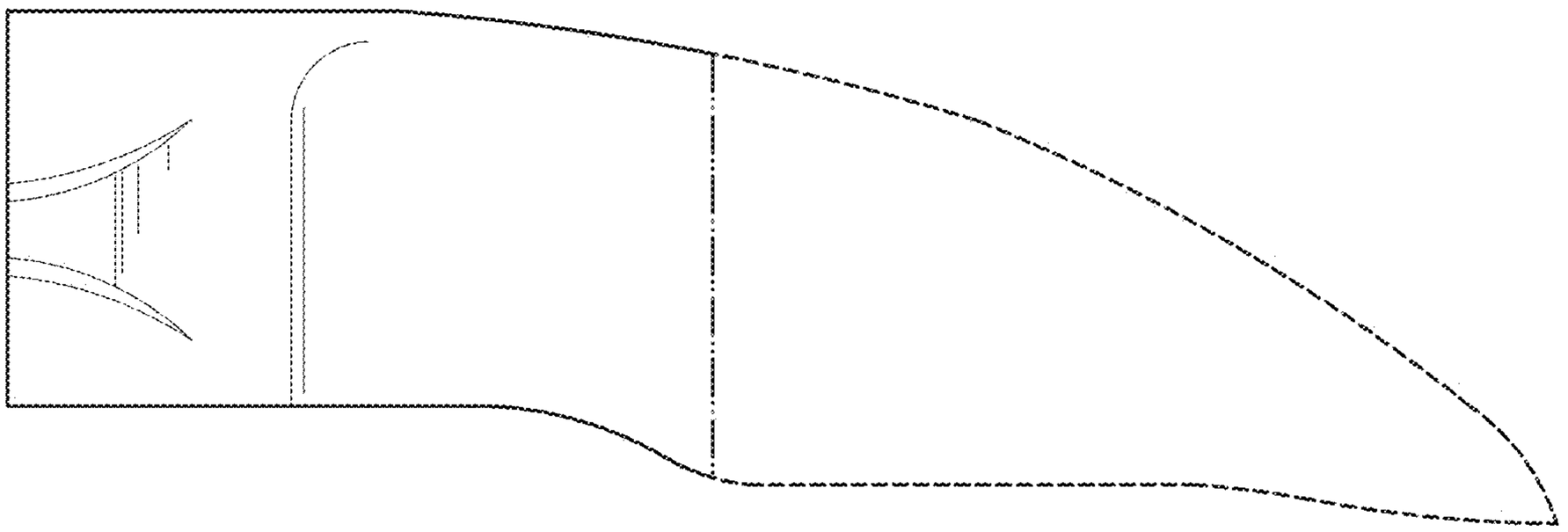


FIG. 3

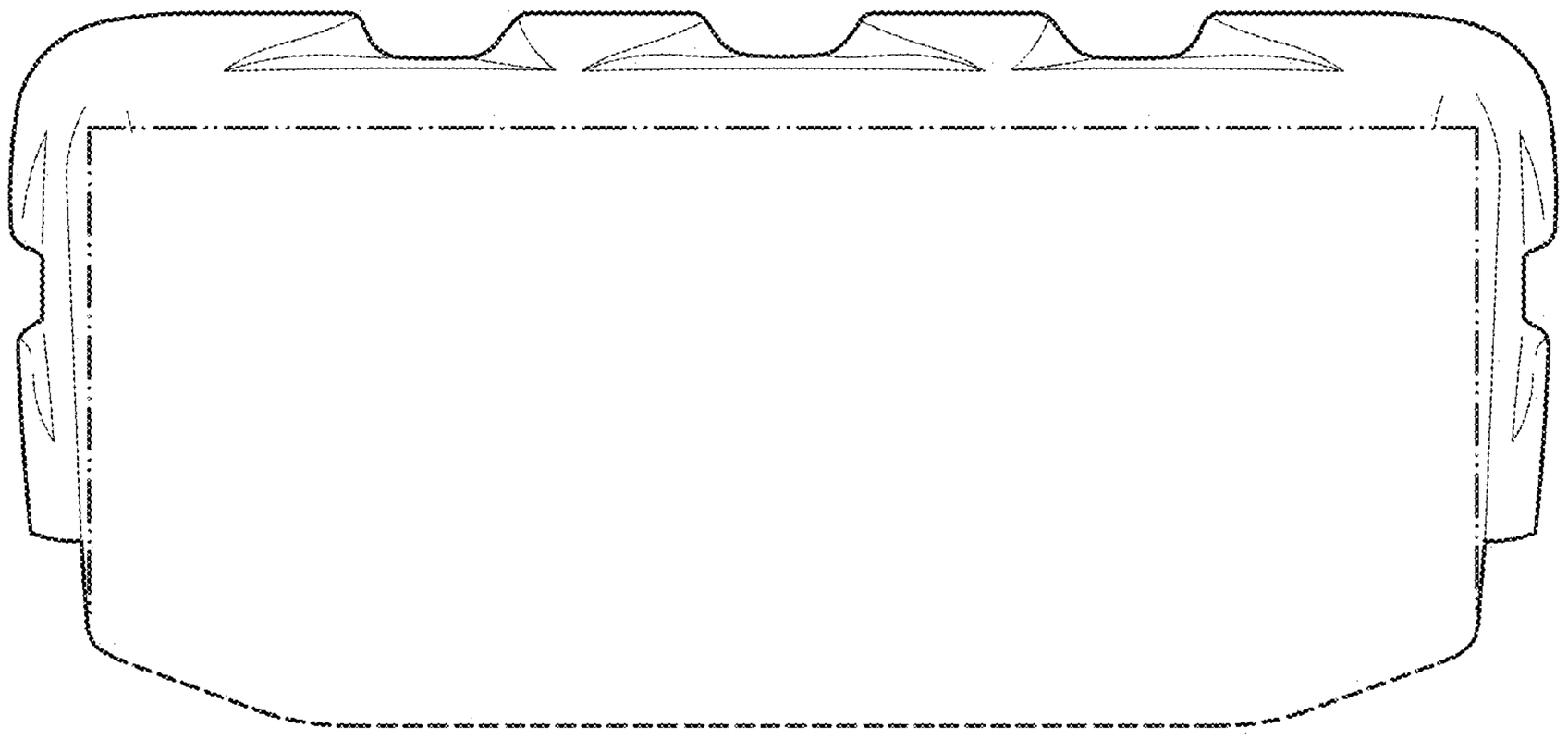


FIG. 4

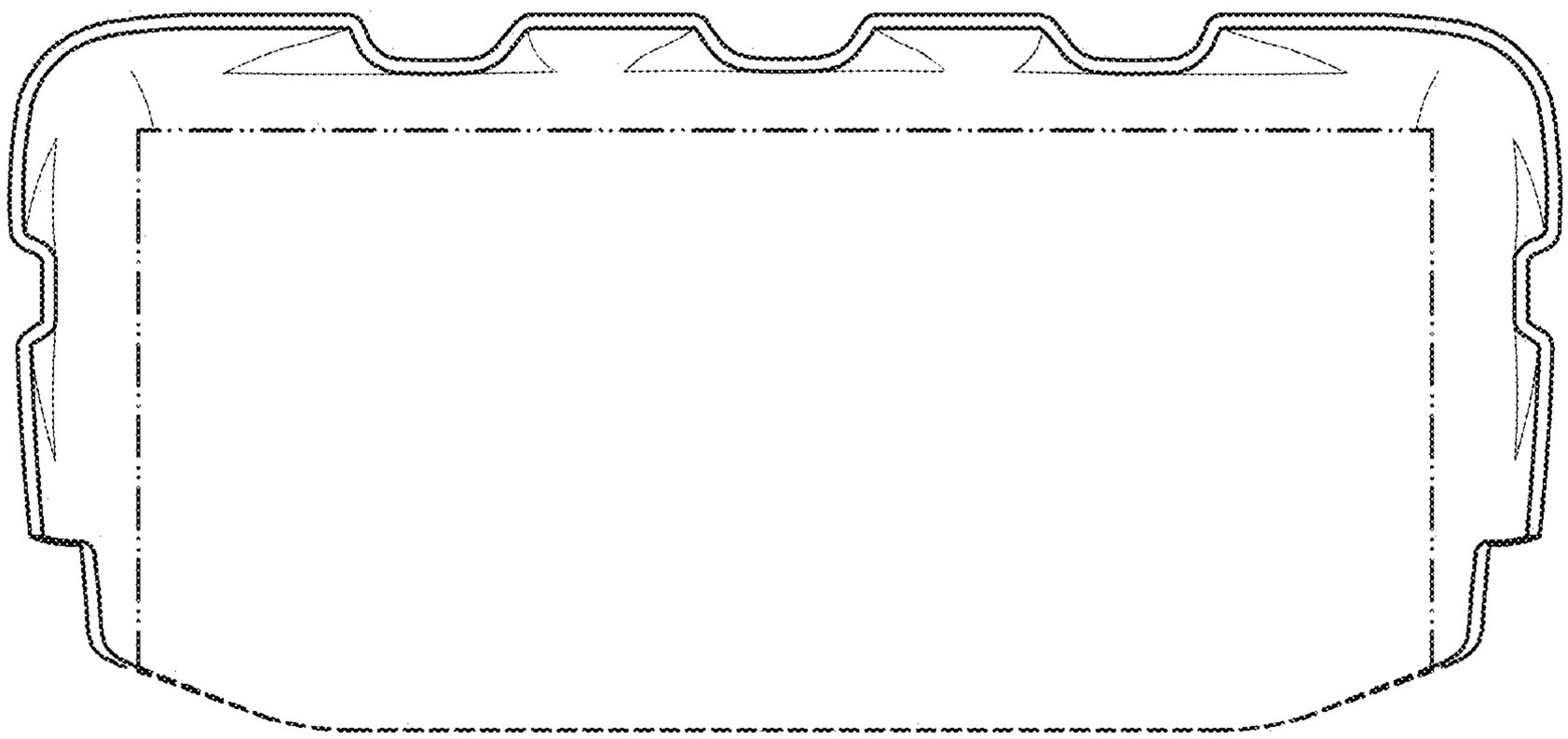


FIG. 5

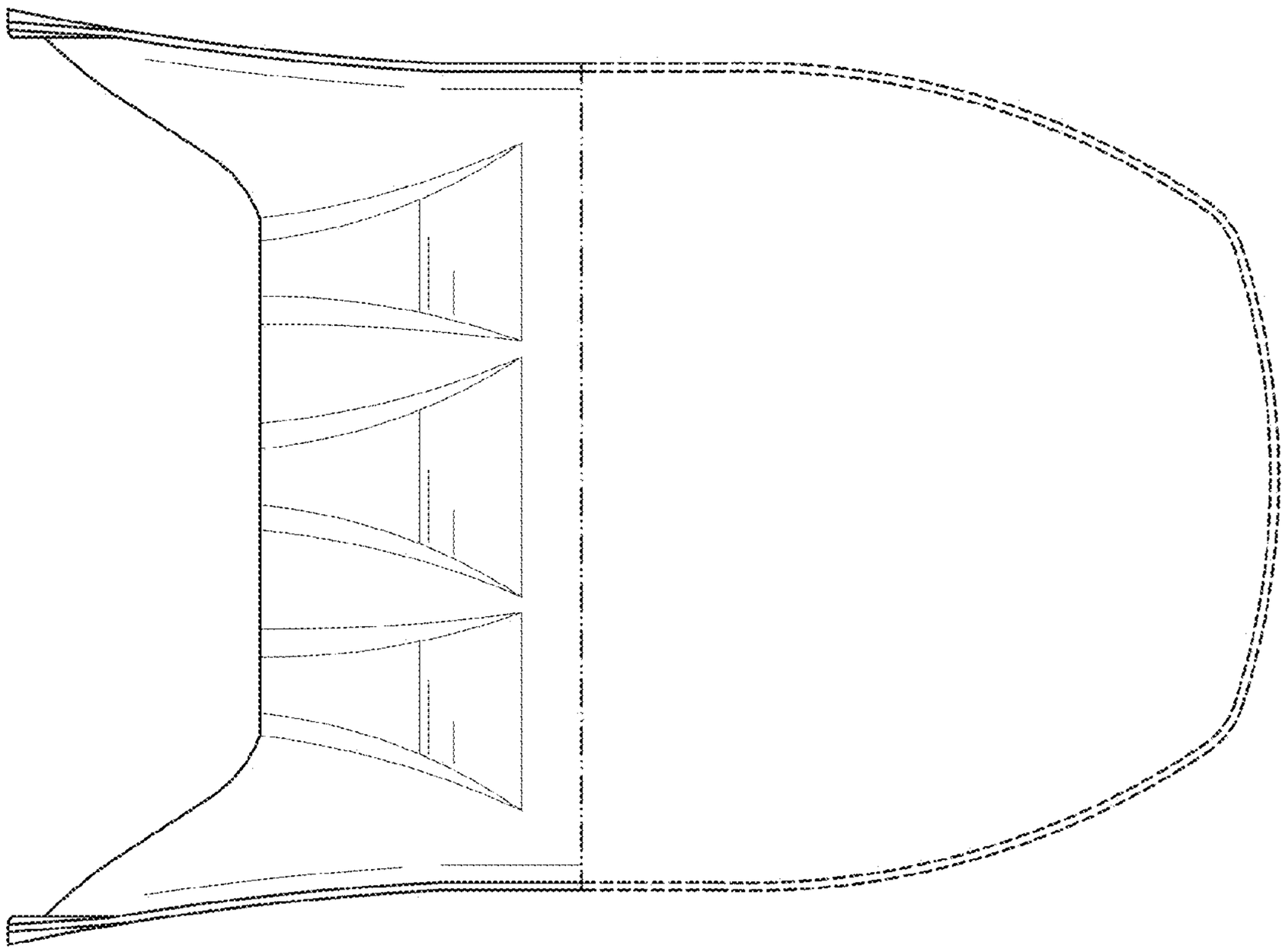


FIG. 7

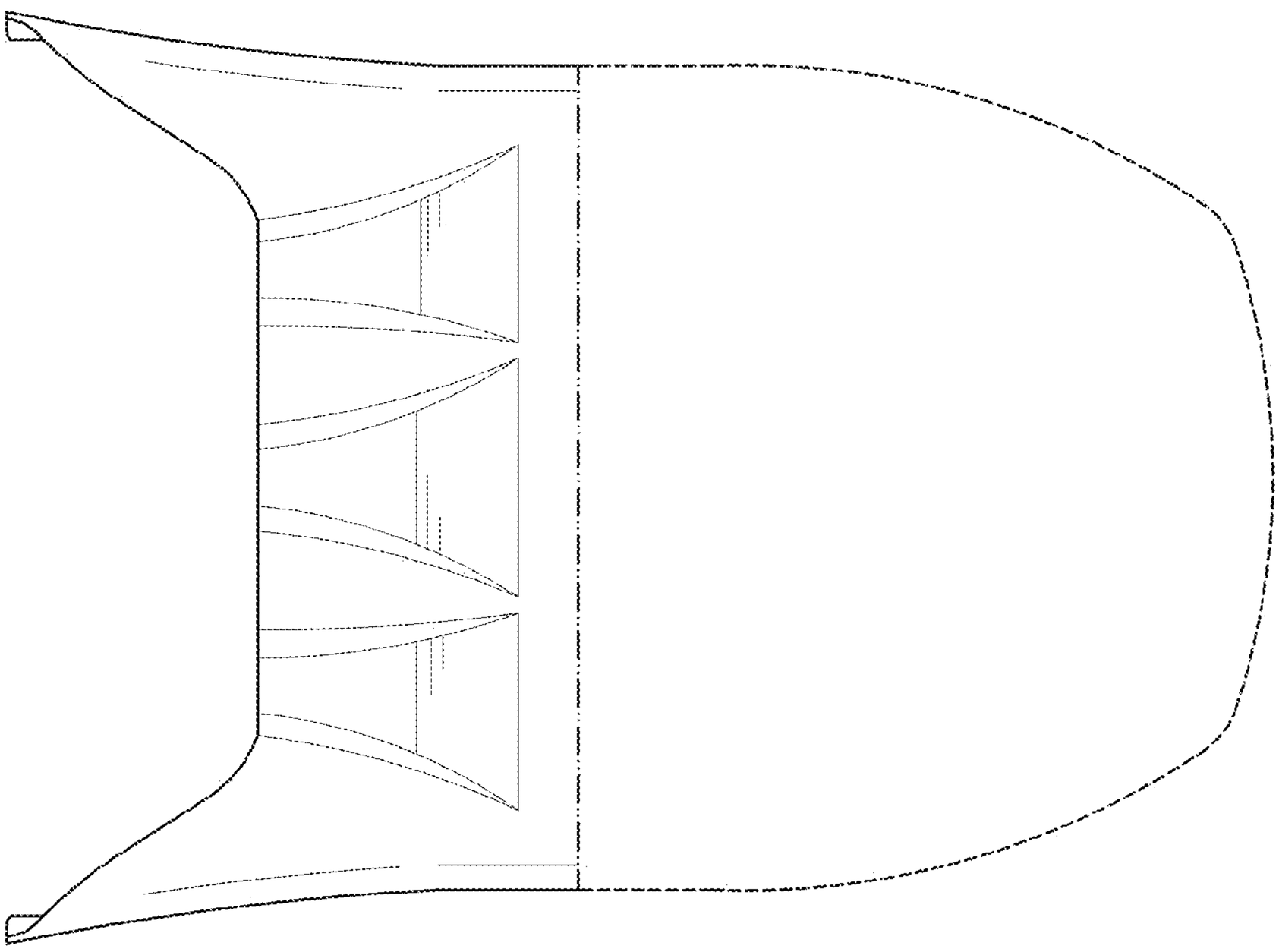


FIG. 6