



US00D923138S

(12) **United States Design Patent**
Ligonesche et al.(10) **Patent No.:** US D923,138 S
(45) **Date of Patent:** ** Jun. 22, 2021(54) **GAS BOTTLE CAP**(71) Applicant: **L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude**, Paris (FR)(72) Inventors: **Renaud Ligonesche**, Herblay (FR); **Patrick Sébastien Bouvier**, Eydoche (FR); **Tanguy Morgan**, Pantin (FR); **Olivier Ondo Ndong**, Palaisea (FR); **Antoine Frenal**, Ezanville (FR)(73) Assignee: **L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude**, Paris (FR)(**) Term: **15 Years**(21) Appl. No.: **29/768,960**(22) Filed: **Feb. 2, 2021****Related U.S. Application Data**

(62) Division of application No. 29/630,745, filed on Dec. 22, 2017.

Foreign Application Priority Data

Jun. 22, 2017 (EM) 004061463

(51) LOC (13) Cl. **23-01**

(52) U.S. Cl.

USPC **D23/206****Field of Classification Search**

USPC D23/202–206, 207, 233

CPC F16K 35/10; F17C 13/06

See application file for complete search history.

References Cited**U.S. PATENT DOCUMENTS**4,332,331 A * 6/1982 Fawley F17C 13/002
137/3825,004,117 A * 4/1991 Kitsuda F17C 13/002
137/382

D334,967 S *	4/1993	Kitsuda	D23/206
D439,956 S *	4/2001	Nilsson	D23/206
6,311,722 B1 *	11/2001	Gounot	F17C 13/06 137/377
D576,702 S *	9/2008	Aguiar	D23/206
D645,537 S *	9/2011	Squires	D23/206
8,528,586 B2 *	9/2013	Gannet	F17C 13/04 137/382
D692,979 S *	11/2013	Quick	D23/206

(Continued)

FOREIGN PATENT DOCUMENTS

EP	3531006 B1 *	11/2020	F17C 13/06
FR	003077616 A1 *	2/2018	F17C 13/06

OTHER PUBLICATIONS

“[Luxfer Collar]” [Jan. 20, 2020], [Amazon.com], site visited Feb. 24, 2021; [URL] https://www.amazon.com/Cylinder-Luxfer-Style-Carry-Handle/dp/B0842J9PV9/ref=sr_1_22?dchild=1&keywords=Cylinder+Valve+Guard&qid=1614207949&sr=8-22 (Year: 2020).*

Primary Examiner — Jack Reickel*Assistant Examiner* — Keith J Wilson(74) *Attorney, Agent, or Firm* — Allen E. White

(57)

CLAIM

The ornamental design for a gas bottle cap, as shown and described.

DESCRIPTION

FIG. 1 is a first side view of a first gas bottle cap.

FIG. 2 is a second side view of a first gas bottle cap.

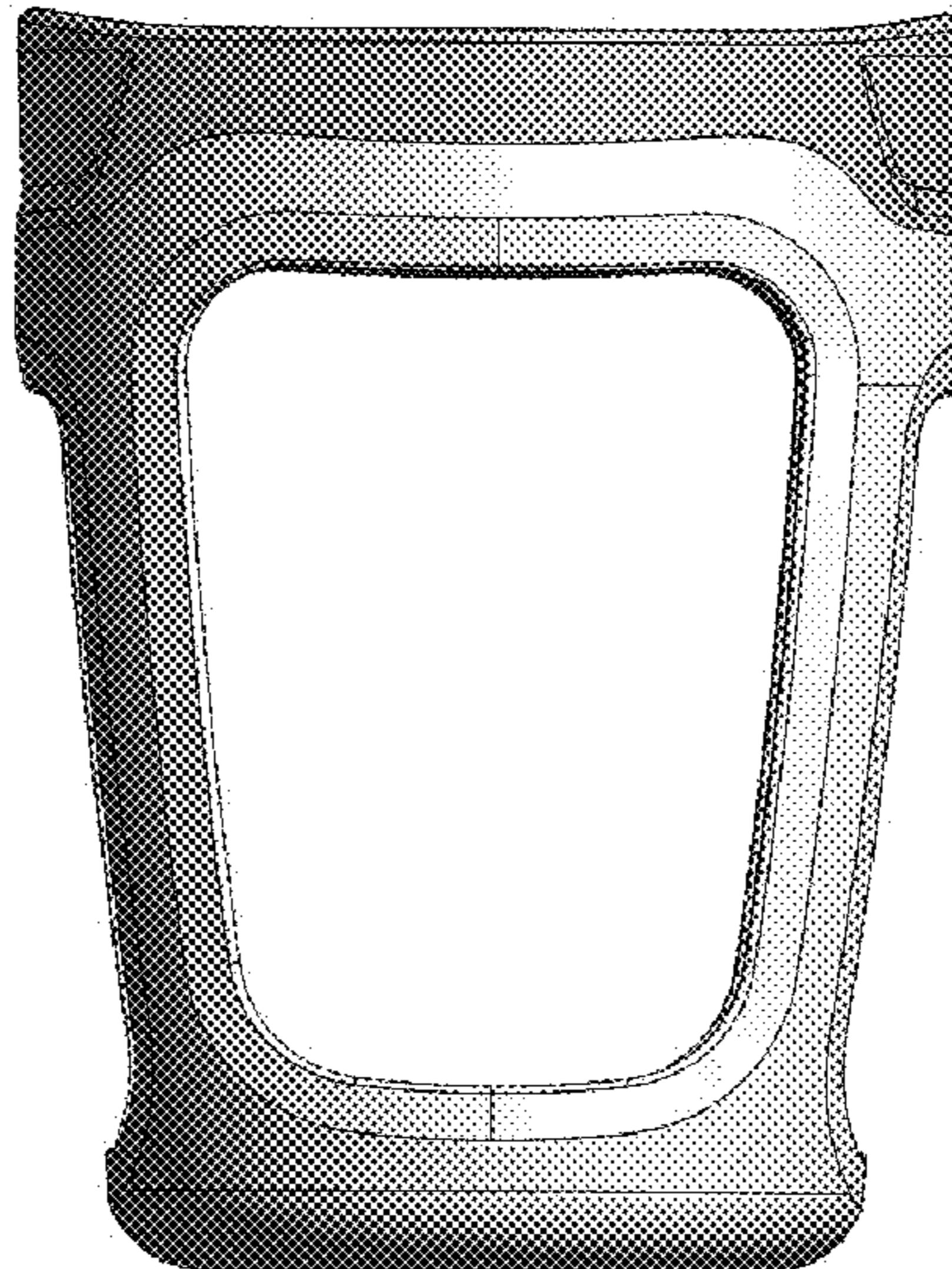
FIG. 3 is a third side view of a first gas bottle cap.

FIG. 4 is a top isometric view of a first gas bottle cap.

FIG. 5 is a top view of a first gas bottle cap.

FIG. 6 is a bottom isometric view of a first gas bottle cap; and,

FIG. 7 is a bottom view of a gas bottle cap.

1 Claim, 7 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

- D692,980 S * 11/2013 Quick D23/206
D692,981 S * 11/2013 Fowler D23/206
D709,163 S * 7/2014 Deruntz D23/206
8,919,602 B2 * 12/2014 Nolan B65D 43/0222
220/731
D747,438 S * 1/2016 Sanchez D23/206
D786,398 S * 5/2017 Ligonesche D23/206
D904,568 S * 12/2020 Melcher D23/233
10,851,927 B2 * 12/2020 Stachowiak F16K 35/02

* cited by examiner

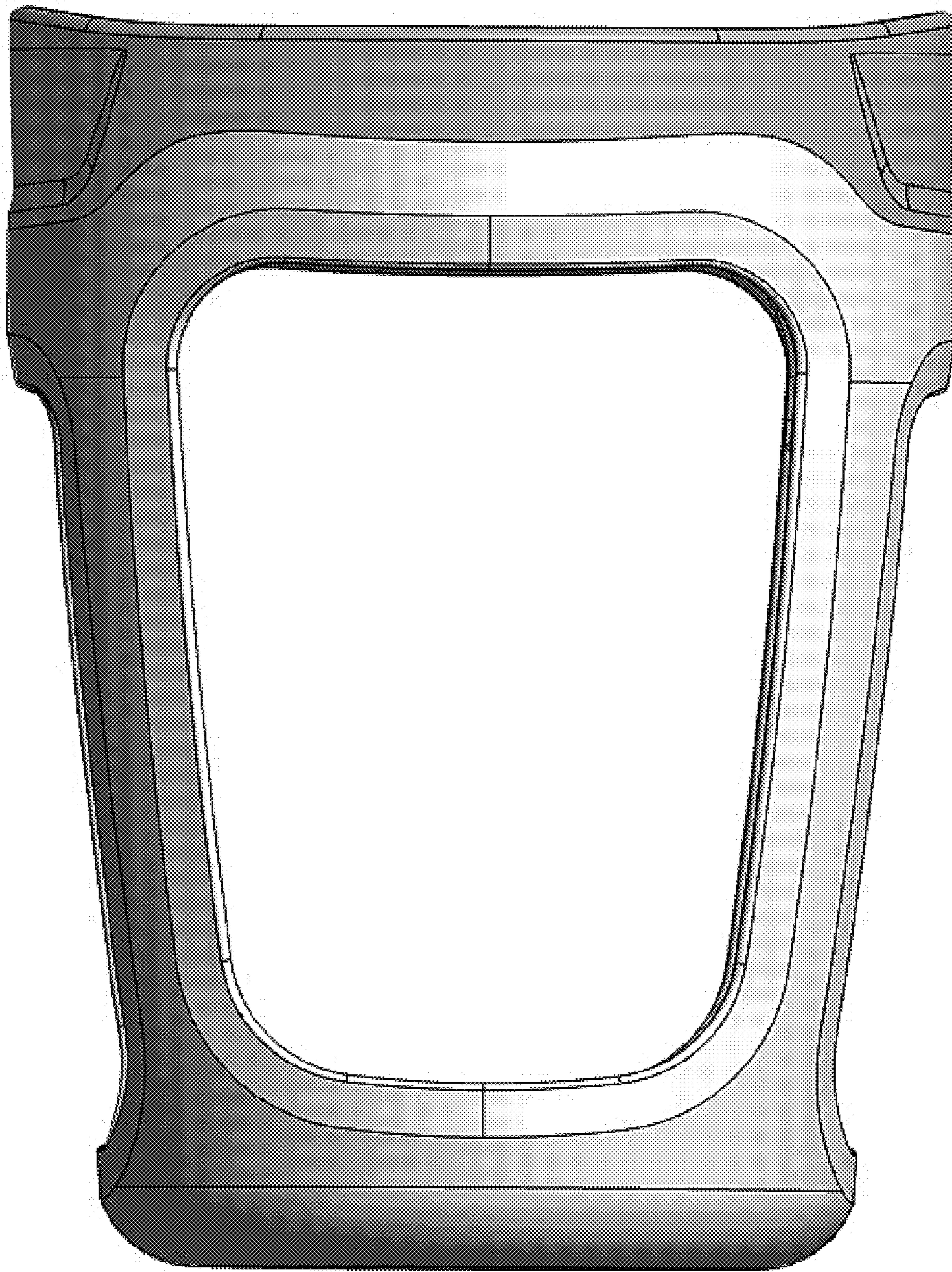


FIG. 1

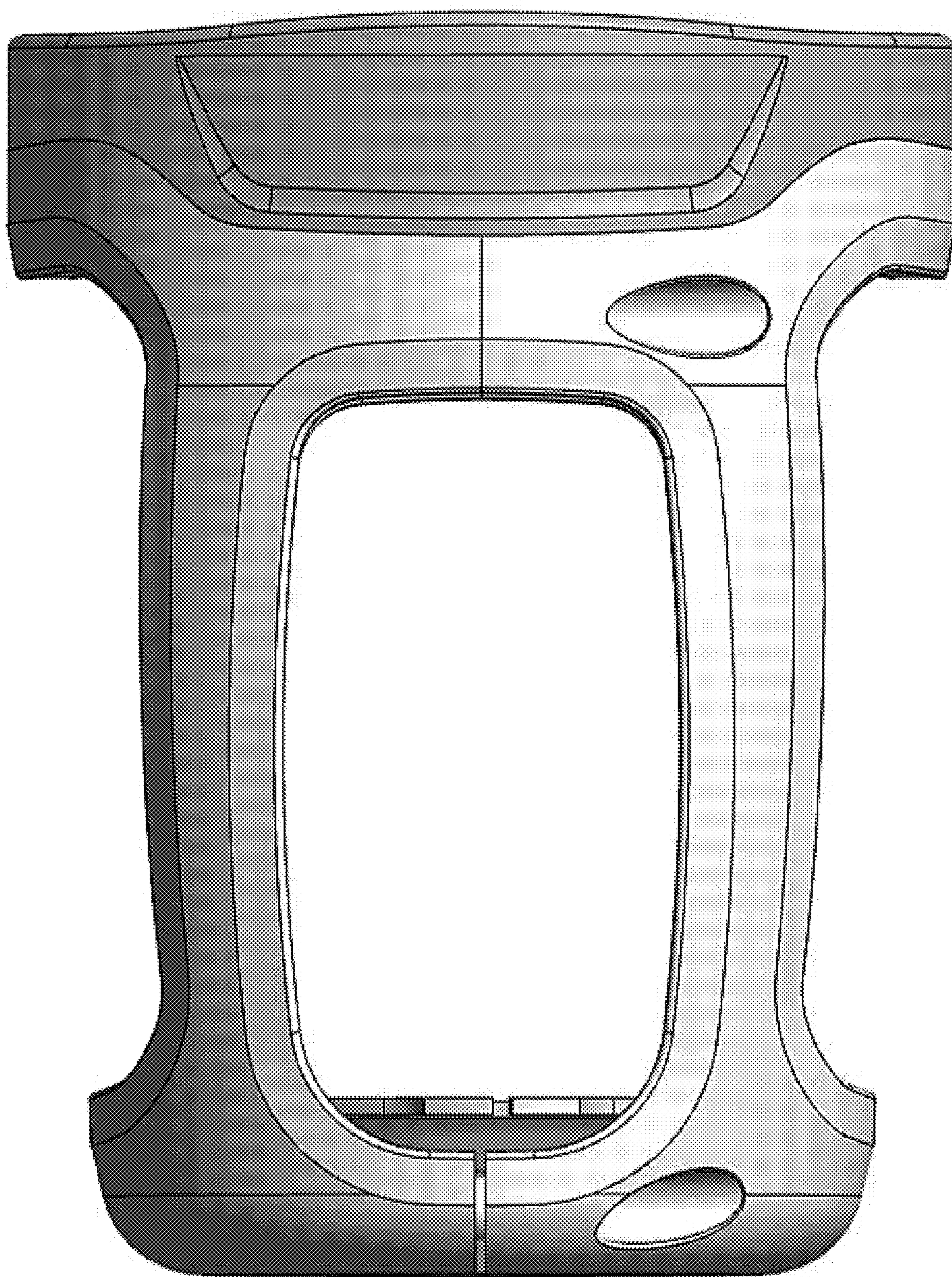


FIG. 2

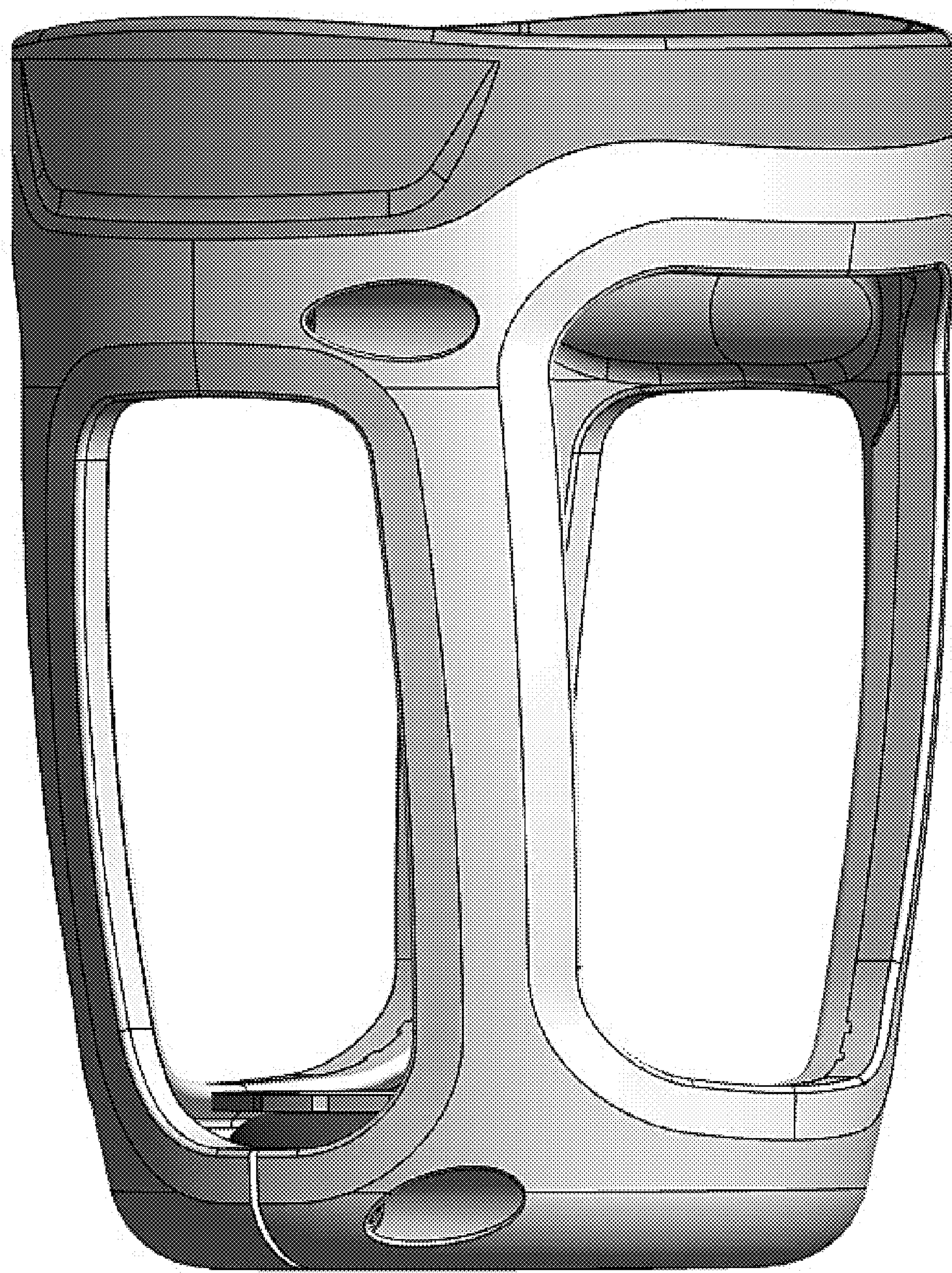


FIG. 3

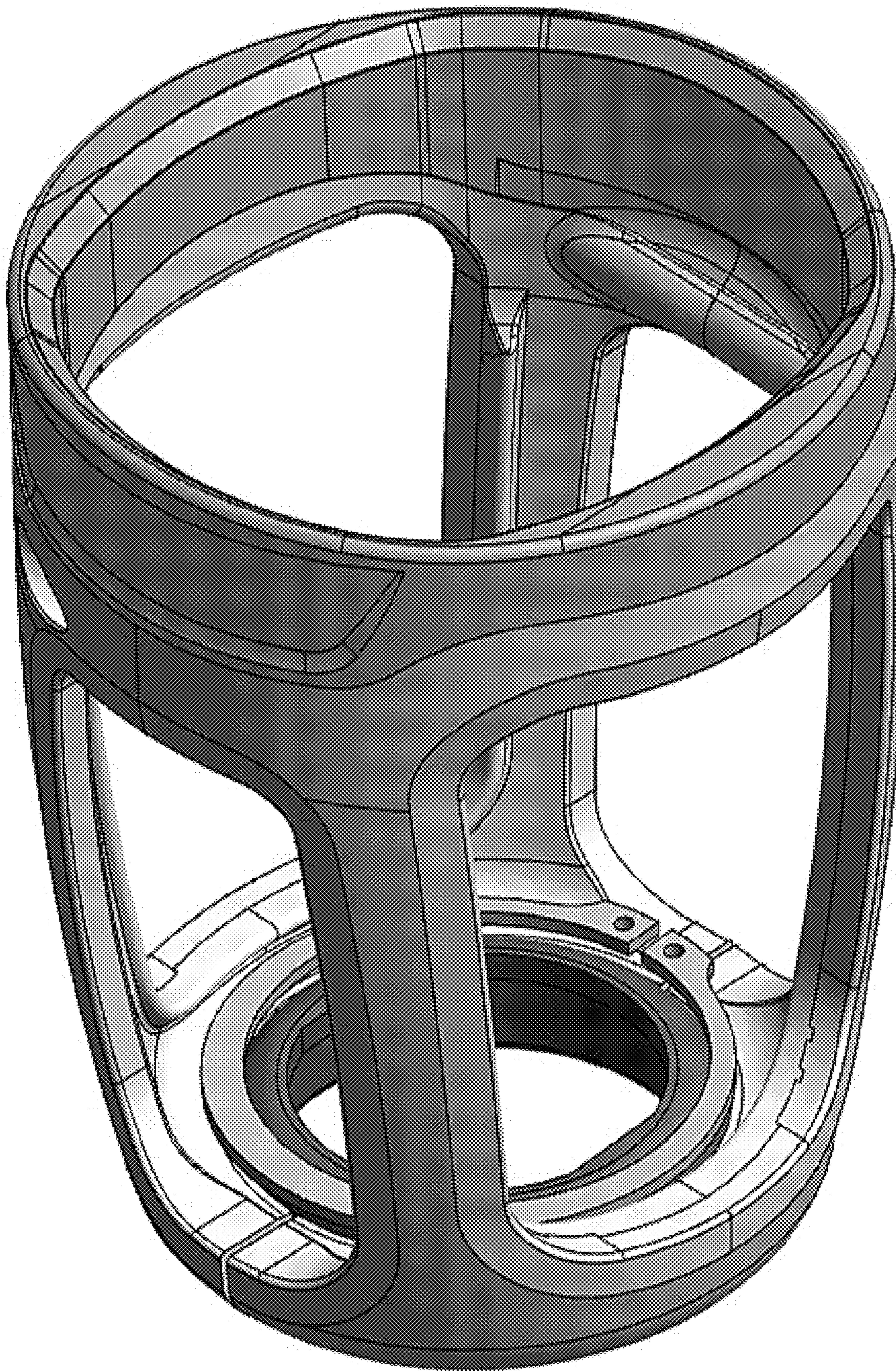


FIG. 4

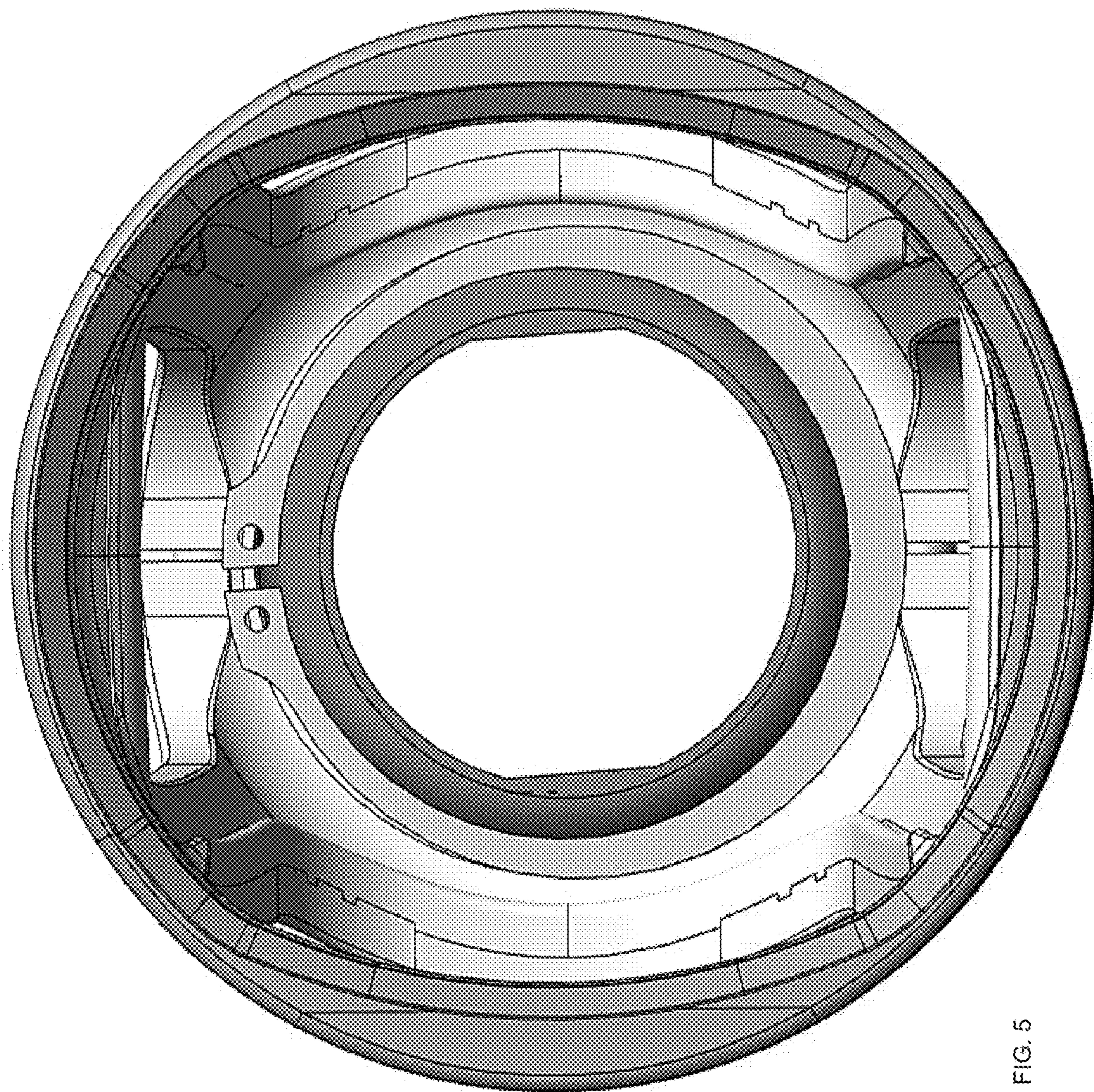


FIG. 5

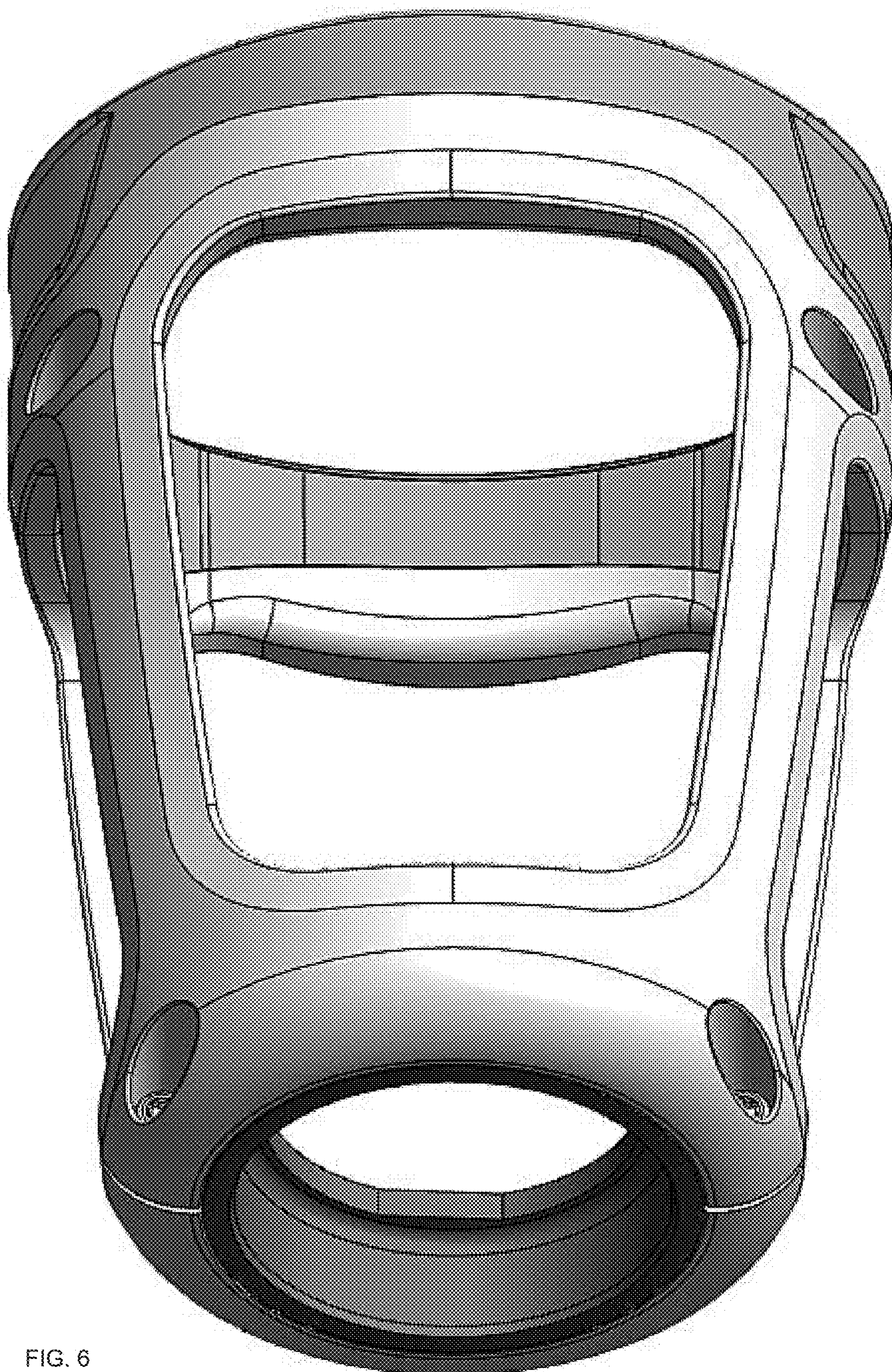


FIG. 6

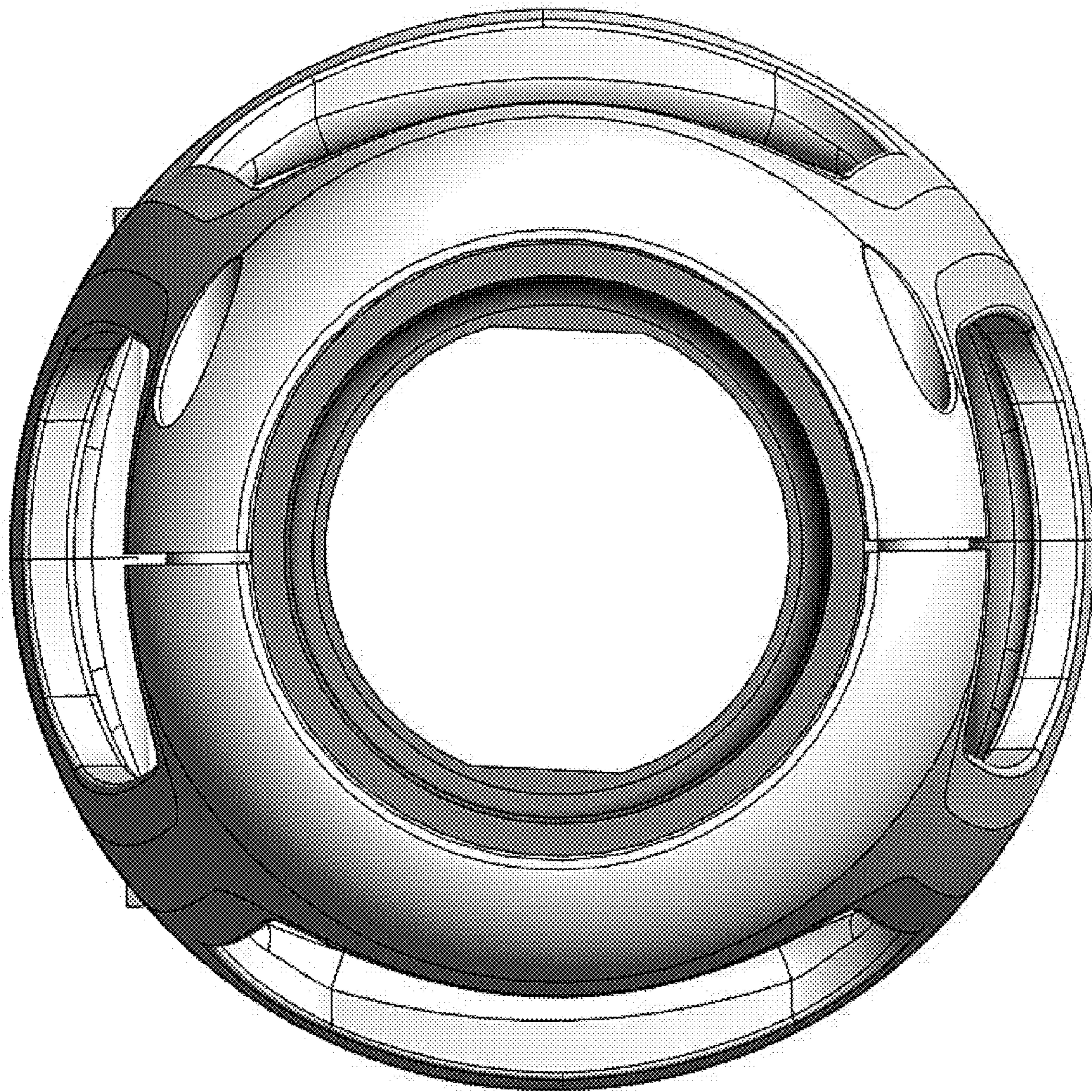


FIG. 7