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(12) **United States Design Patent** (10) **Patent No.:** **US D945,778 S**
Senger (45) **Date of Patent:** **** Mar. 15, 2022**

(54) **CLEANING DEVICE FOR ESPRESSO MACHINES**

(71) Applicant: **Alexander Senger**, St. Gallen (CH)

(72) Inventor: **Alexander Senger**, St. Gallen (CH)

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

(21) Appl. No.: **29/668,528**

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(51) **LOC (13) Cl.** **04-01**

(52) **U.S. Cl.**

USPC **D4/128**; D32/15

CPC **A47J 31/60** (2013.01)

(58) **Field of Classification Search**

USPC D4/127–137, 199; D32/15, 35, 40, 49,
D32/52

CPC A47J 31/60; A46B 9/02; A46B 2200/30;
A46B 2200/3033; A46B 2200/3073;
B08B 1/002

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,824,913 A 7/1974 Herman et al.
7,594,292 B1 * 9/2009 Pelo A46B 15/0055
15/105
10,638,875 B2 * 5/2020 Senger B08B 1/002
D911,035 S * 2/2021 Zhou D4/133
2005/0210611 A1 * 9/2005 Pelo A47J 31/60
15/106
2019/0335945 A1 * 11/2019 Senger B60T 13/166

FOREIGN PATENT DOCUMENTS

DE	102008029366	12/2009
DE	202013104522	12/2013
DE	102015224861.5	12/2015
DE	102016211375.5	6/2016
IT	1235949	12/1992
KR	200469938	3/2012
KR	20120003172	5/2012
KR	20120003242	5/2012
WO	2005104916	11/2005
WO	2014053181	4/2014
WO	2017097988 A8	6/2017

* cited by examiner

Primary Examiner — Richard E Chilcot

(74) *Attorney, Agent, or Firm* — Bonini IP Law, LLC;
Frank J. Bonini, Jr.

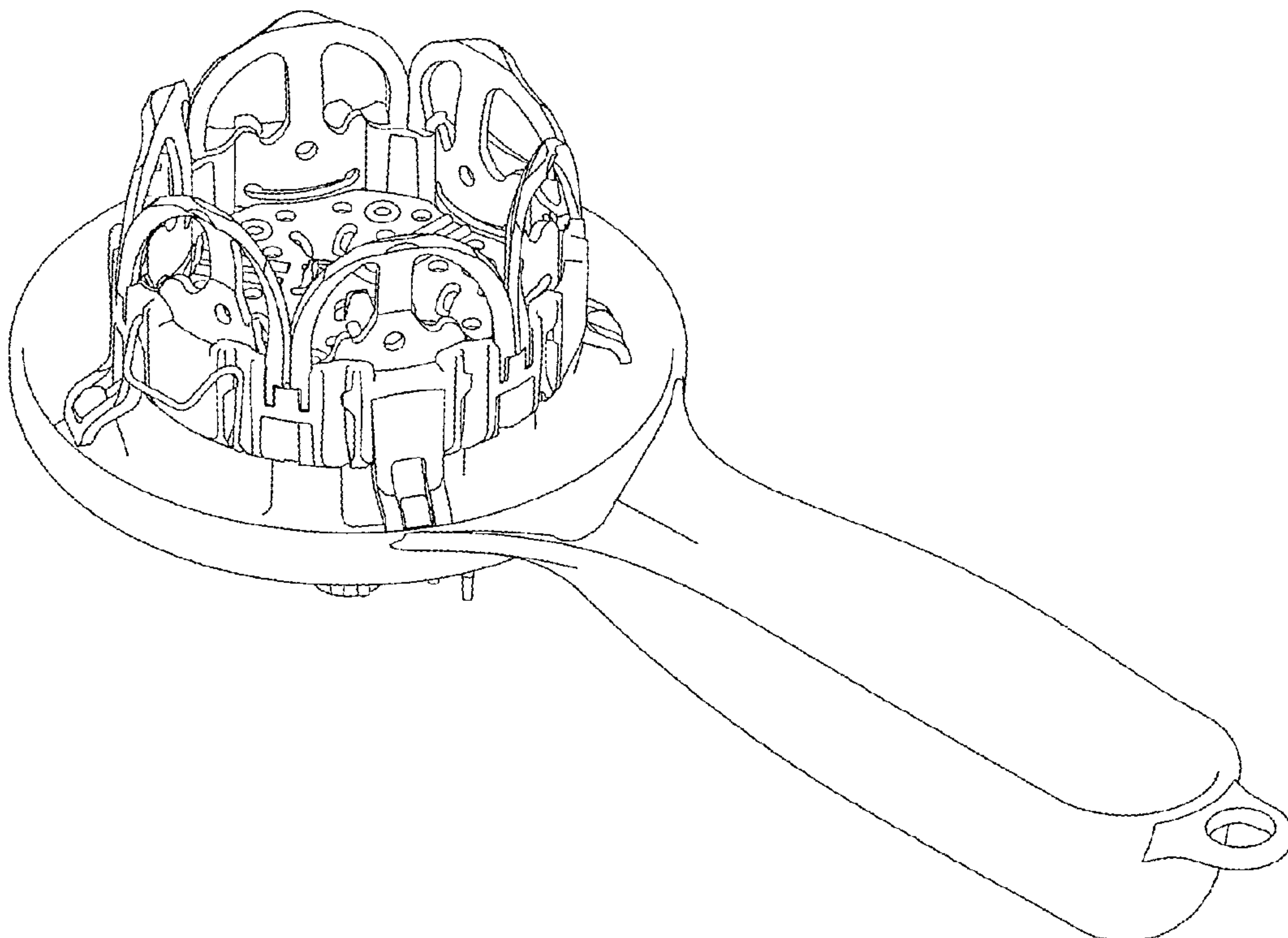
(57) **CLAIM**

The ornamental design for a cleaning device for espresso machines, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a cleaning device for espresso machines according to my new design;
FIG. 2 is a bottom plan view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a front elevation view thereof;
FIG. 6 is a rear elevation view thereof; and,
FIG. 7 is a perspective view thereof.

1 Claim, 7 Drawing Sheets



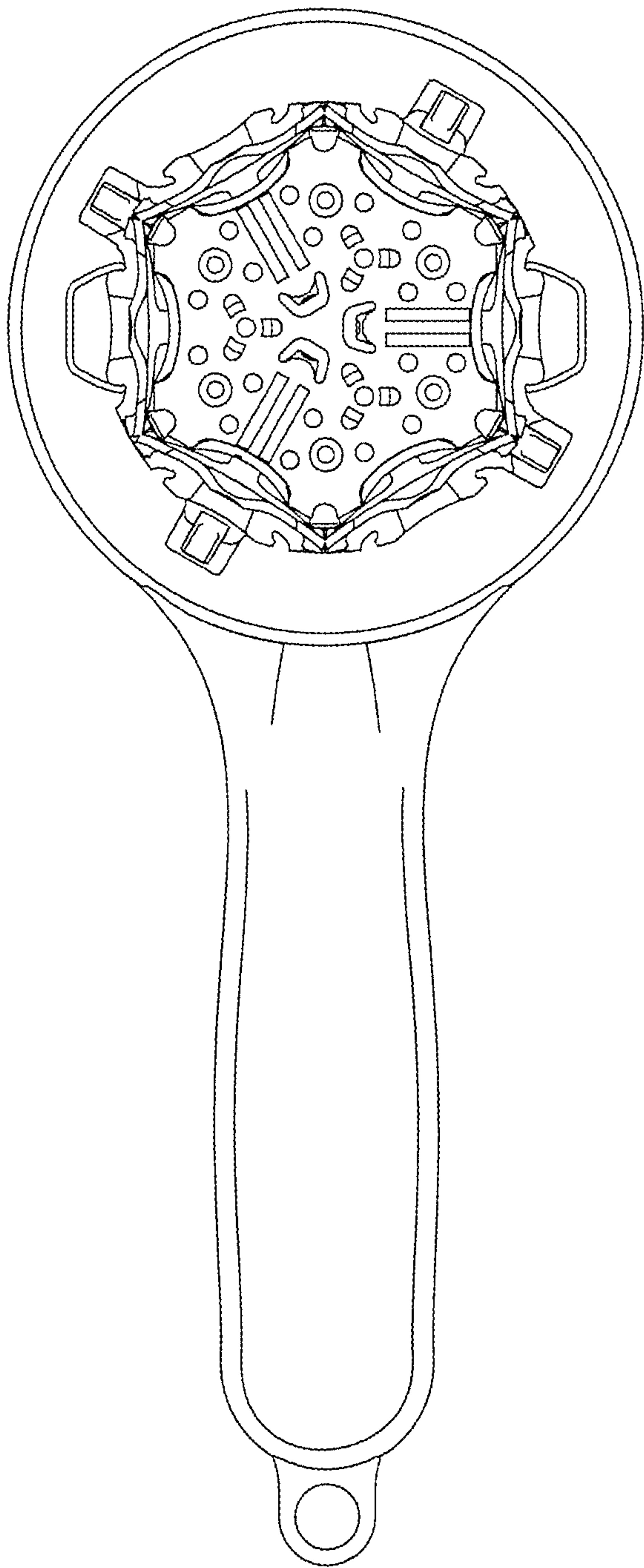


FIG. 1

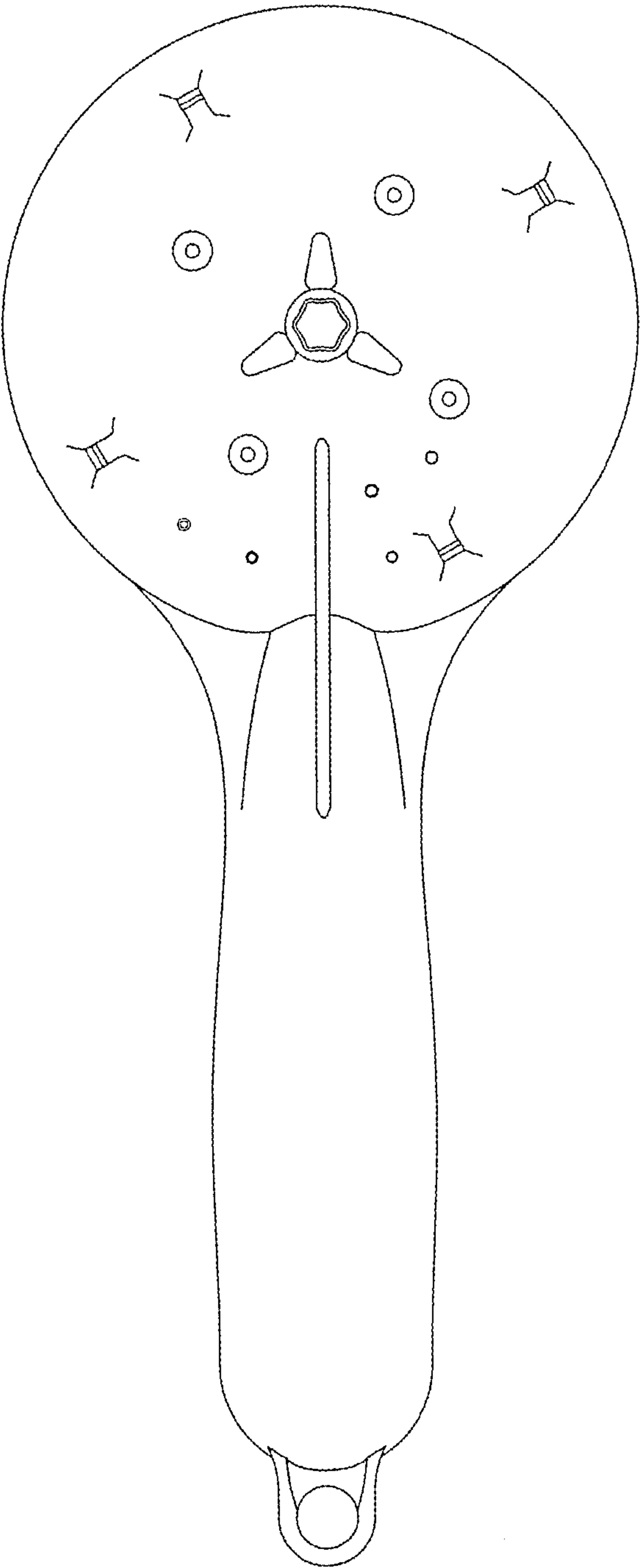


FIG. 2

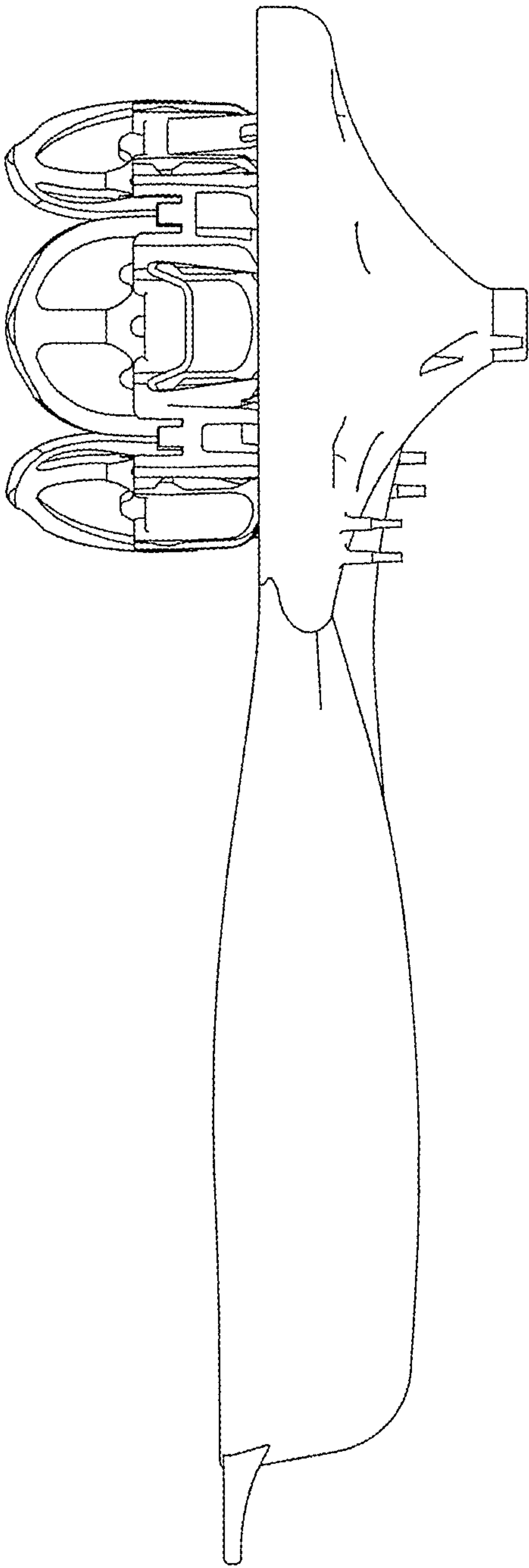


FIG. 3

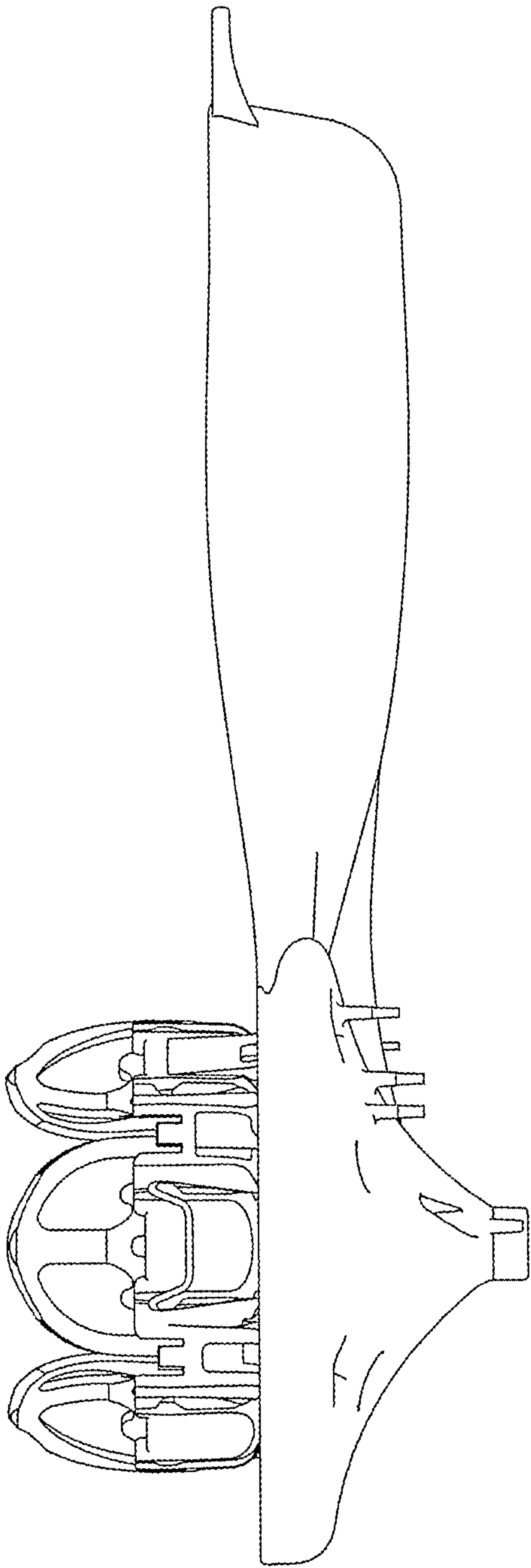


FIG. 4

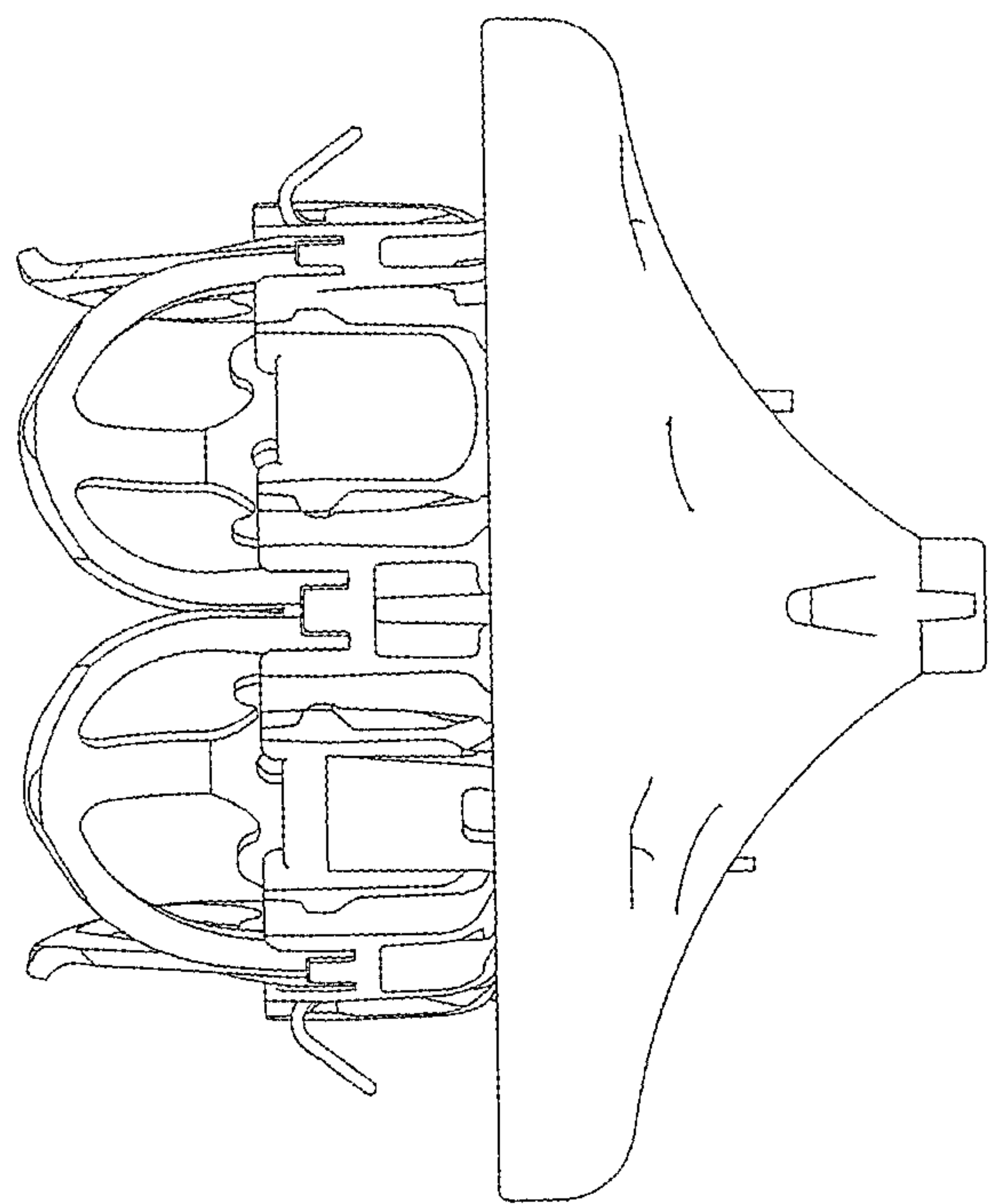


FIG. 5

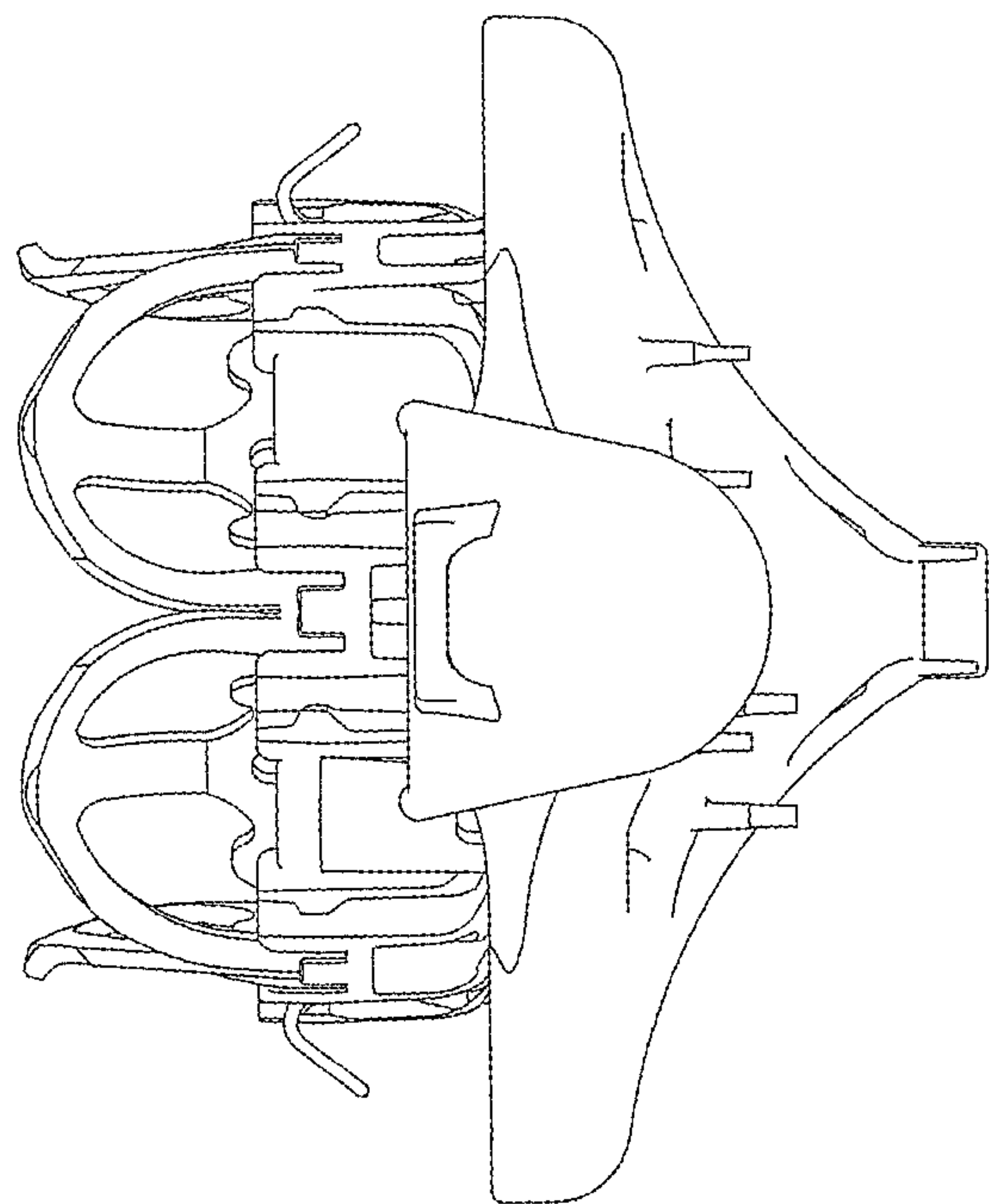


FIG. 6

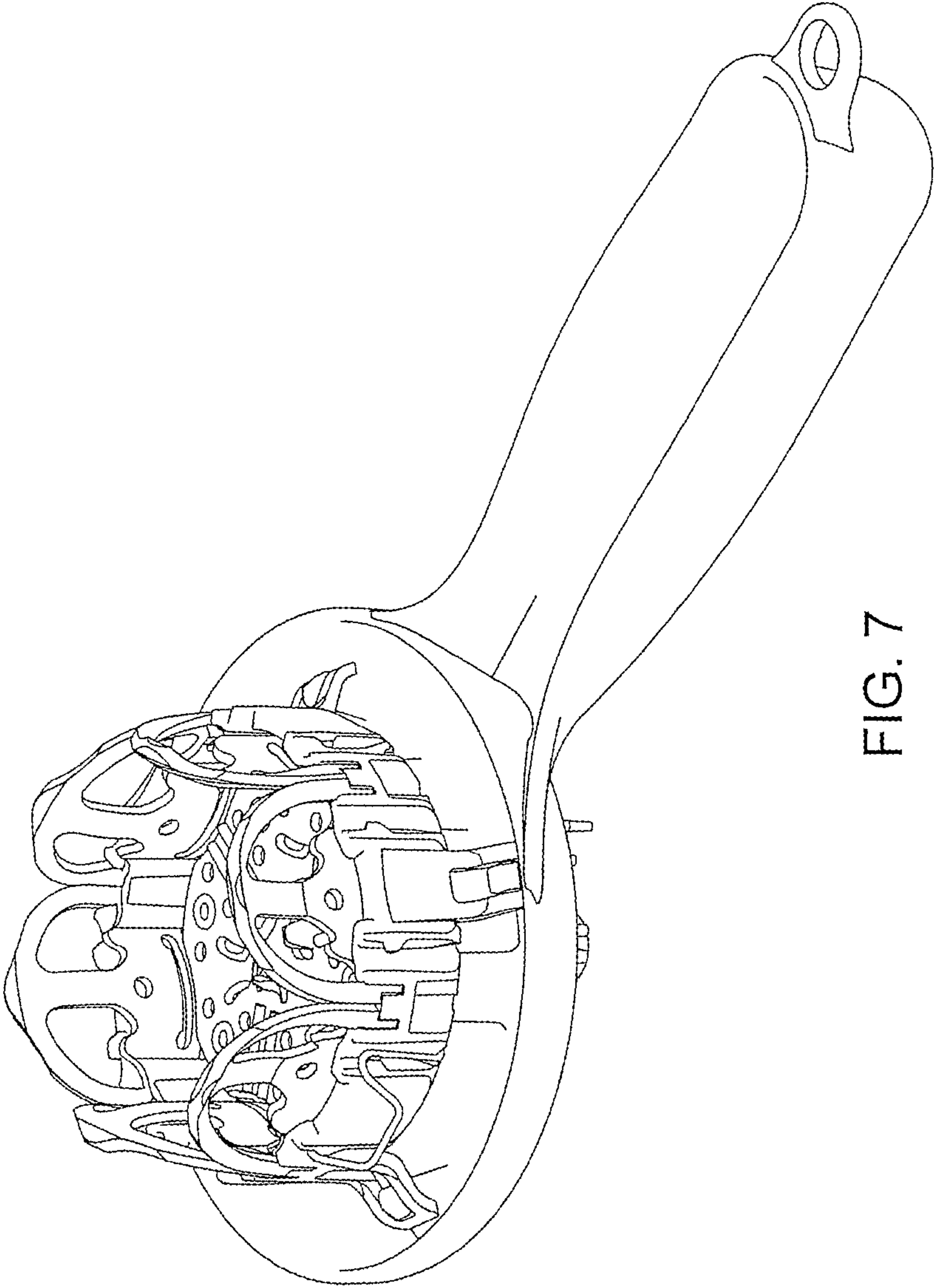


FIG. 7