



US00D958364S

(12) **United States Design Patent** (10) **Patent No.:** **US D958,364 S**
Han et al. (45) **Date of Patent:** **** Jul. 19, 2022**

(54) TOOTH CLEANER	D691,377 S	10/2013	Zarrabi et al.
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(71) Applicant: Shenzhen micro electric intelligence Co., LTD, Shenzhen (CN)	D731,057 S	6/2015	Gitman
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	D806,229 S	12/2017	Uchida
(72) Inventors: Fangmeng Han, Shenzhen (CN); Qimu Liang, Shenzhen (CN)	D819,196 S	5/2018	Kim et al.
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(73) Assignee: Shenzhen micro electric intelligence Co., LTD, Shenzhen (CN)	D865,177 S	10/2019	Liu
	D884,893 S *	5/2020	Ma D24/152
	D908,886 S	1/2021	Wang
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(**) Term: 15 Years	2017/0079754 A1 *	3/2017	Sedillo A61C 15/00

(21) Appl. No.: **29/796,715**

(22) Filed: **Jun. 25, 2021**

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/152**

(58) **Field of Classification Search**
USPC D24/111, 152, 176, 108
CPC .. A61C 3/00; A61C 3/03; A61C 15/00; A61C 15/047; A61C 15/048; A61C 17/00; A61C 17/06; A61C 17/18; A61C 17/20; A61C 17/32

See application file for complete search history.

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Primary Examiner — Wan Laymon

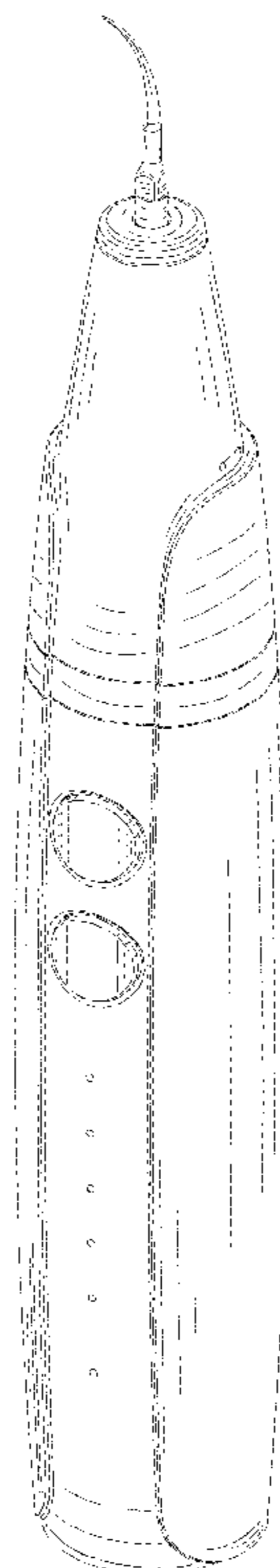
(57) **CLAIM**

The ornamental design for a tooth cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a tooth cleaner showing my new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a back elevation view thereof;
FIG. 4 is a left-side view thereof;
FIG. 5 is a right-side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines depict portions of the article that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



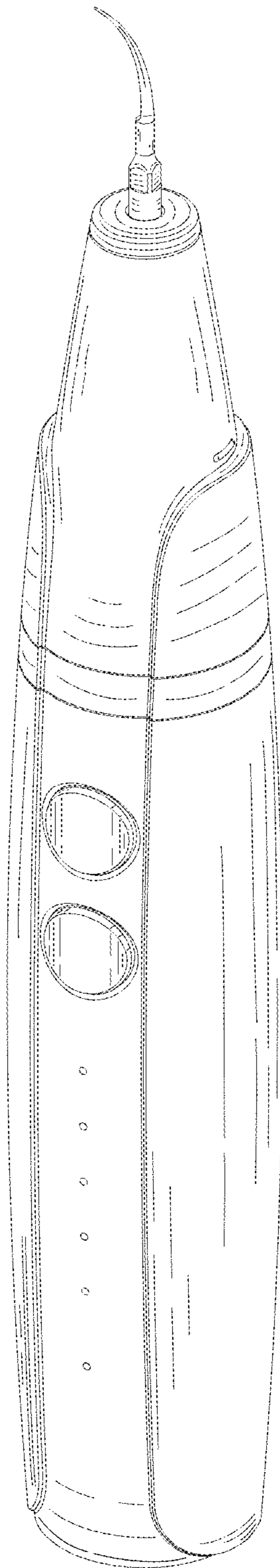


FIG.1

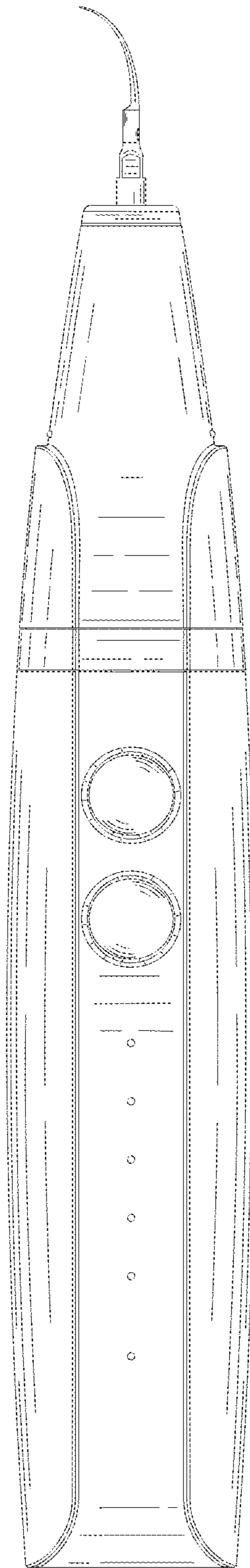


FIG.2

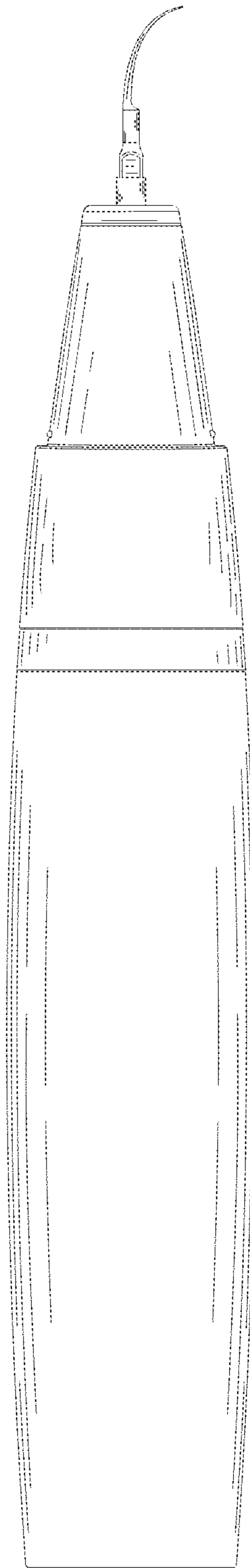


FIG.3

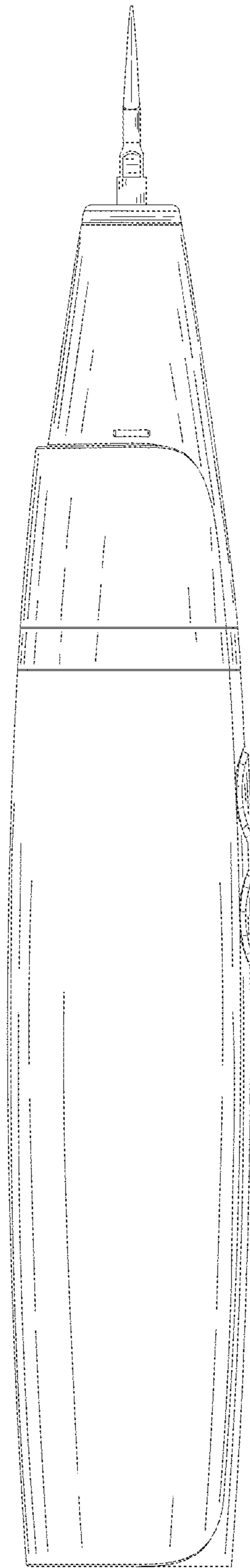


FIG.4

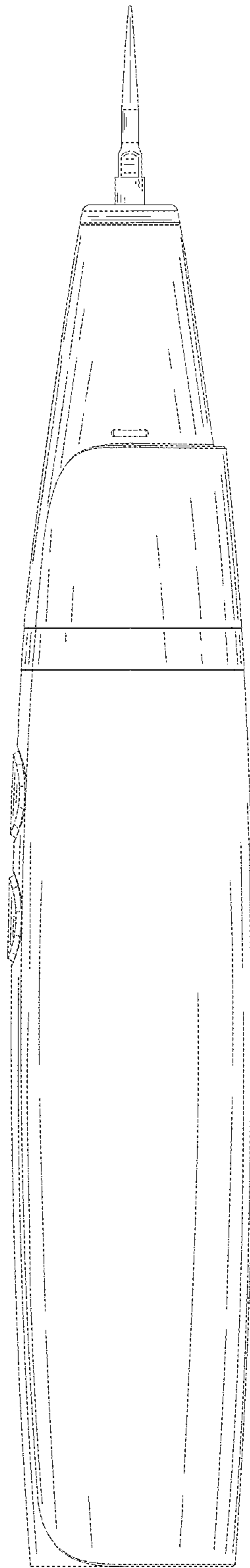


FIG.5

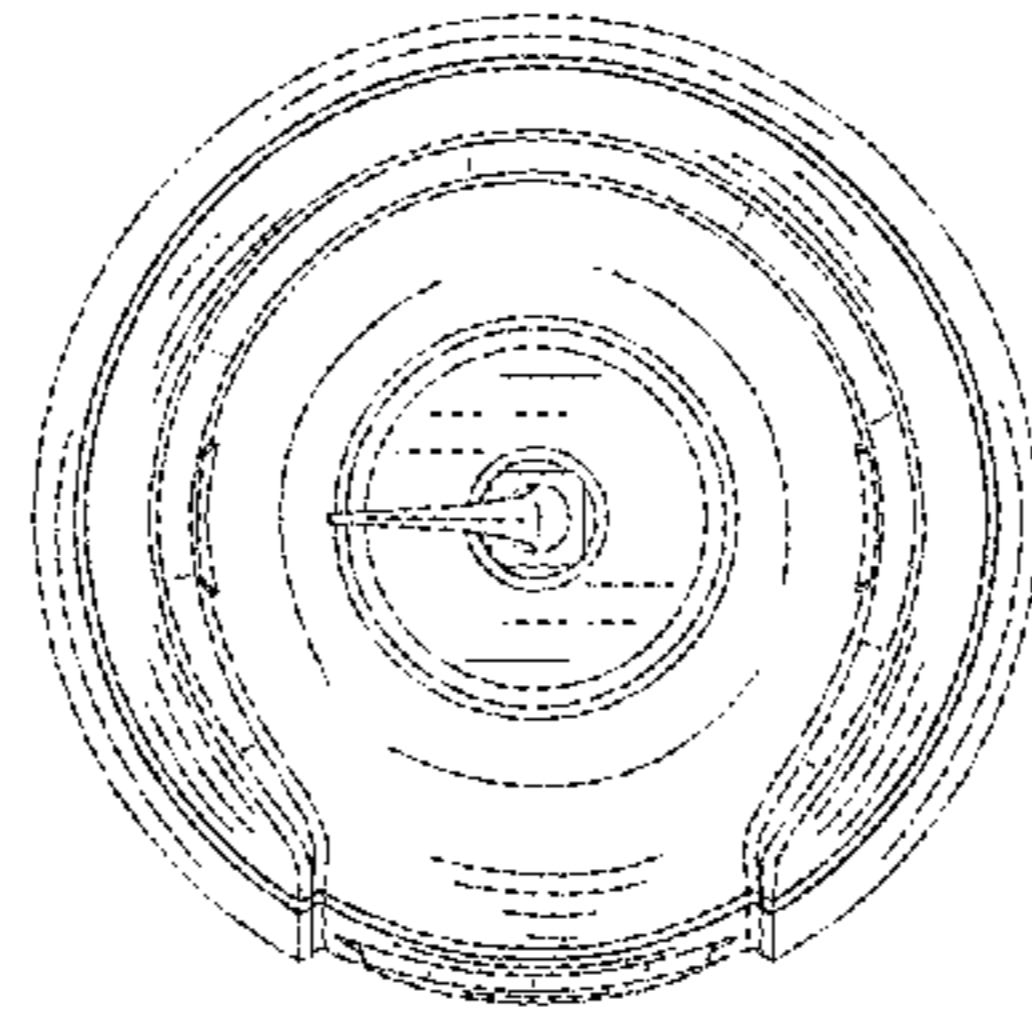


FIG.6

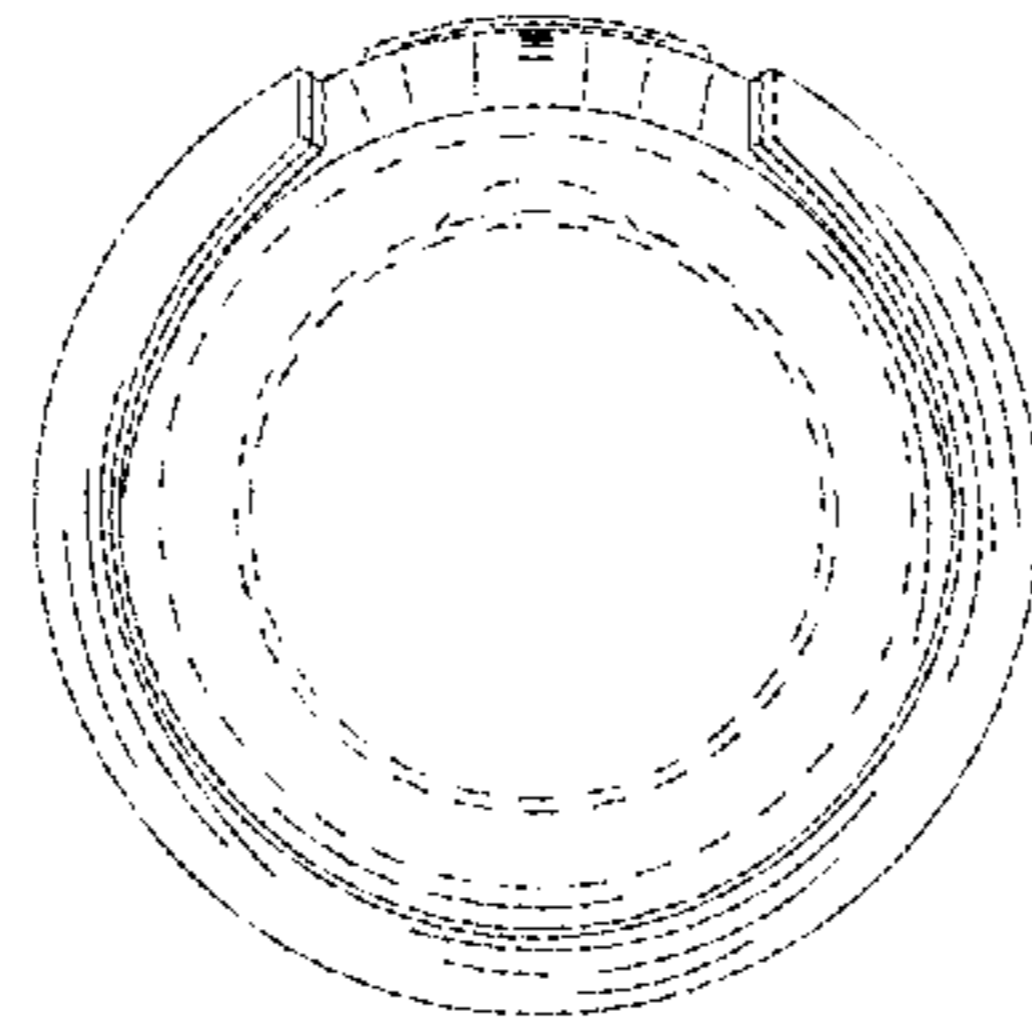


FIG.7