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Zou (45) **Date of Patent:** **** Jun. 9, 2020**

(54) **FILTER UNIT**
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D827,770 S * 9/2018 Brill D23/209
D831,787 S * 10/2018 Luo D23/209
10,099,162 B2 * 10/2018 Prince B01D 35/30
D845,433 S * 4/2019 Zou D23/209
D845,434 S * 4/2019 Zou D23/209
2015/0290569 A1 * 10/2015 Chernov B01D 35/30
210/85
2016/0271537 A1 * 9/2016 Joung F16M 13/00
2017/0072347 A1 * 3/2017 Schmoll B01D 29/15

(**) Term: **15 Years**
(21) Appl. No.: **29/641,486**
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(52) **U.S. Cl.**
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D7/412, 414; D8/499; D32/35; 4/287,
4/295, 689; 210/223, 321.61, 512.1
CPC B01D 35/30; B01D 35/153; B01D 35/306;
B01D 2201/30; B01D 2201/29; B01D
24/10; B01D 36/02; B01D 29/035; B01D
29/0009; C02F 1/002; C02F 1/003
See application file for complete search history.

OTHER PUBLICATIONS

Ecopure Replacement Filter EFF-6001A [Jul. 31, 2019] found
online [Jul. 31, 2019]—<http://www.ecopurefilter.com/products/2.html>.
Royal Pure Filters (Whirlpool replacement filter) [Jul. 31, 2019]
found online [Jul. 31, 2019]—<https://www.amazon.ca/Refrigerator-RPF-4396508-Royal-Pure-Filters/dp/B01FWSNT7A#customerReviews>.*

* cited by examiner

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Lowe, P.C.

(56) **References Cited**

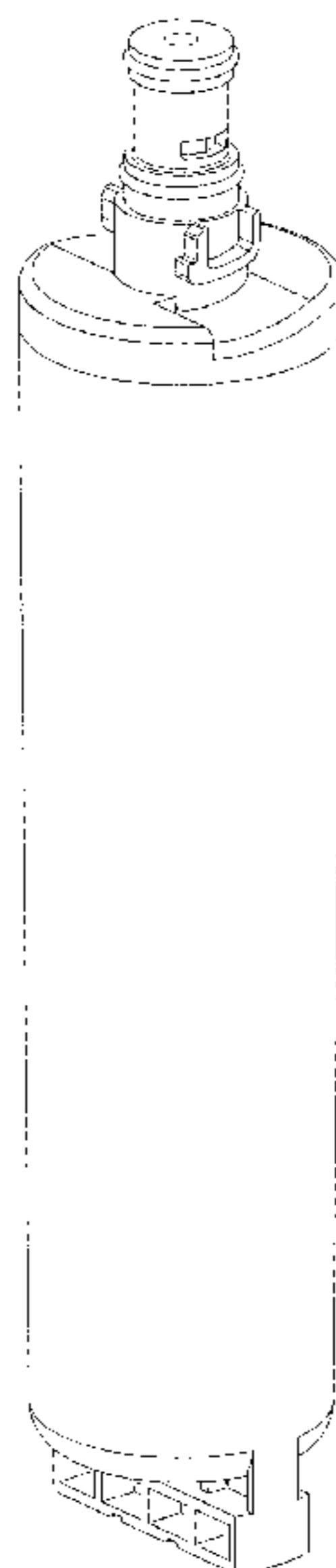
U.S. PATENT DOCUMENTS

D388,500 S * 12/1997 Burchard D23/209
D679,366 S * 4/2013 Fuller D23/247
D753,788 S * 4/2016 Huda D23/209
D764,626 S * 8/2016 Lu D23/209
D768,814 S * 10/2016 Dong D23/209
D772,379 S * 11/2016 Tadlock D23/209
D773,607 S * 12/2016 Lu D23/209
D776,237 S * 1/2017 Dong D23/207
D780,887 S * 3/2017 Huda D23/209
D788,880 S * 6/2017 Zou D23/209
D792,943 S * 7/2017 Zou D23/209
D794,749 S * 8/2017 Zou D23/209

DESCRIPTION

FIG. 1 is a front elevational view of a filter unit showing my
new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a perspective views thereof;

1 Claim, 7 Drawing Sheets



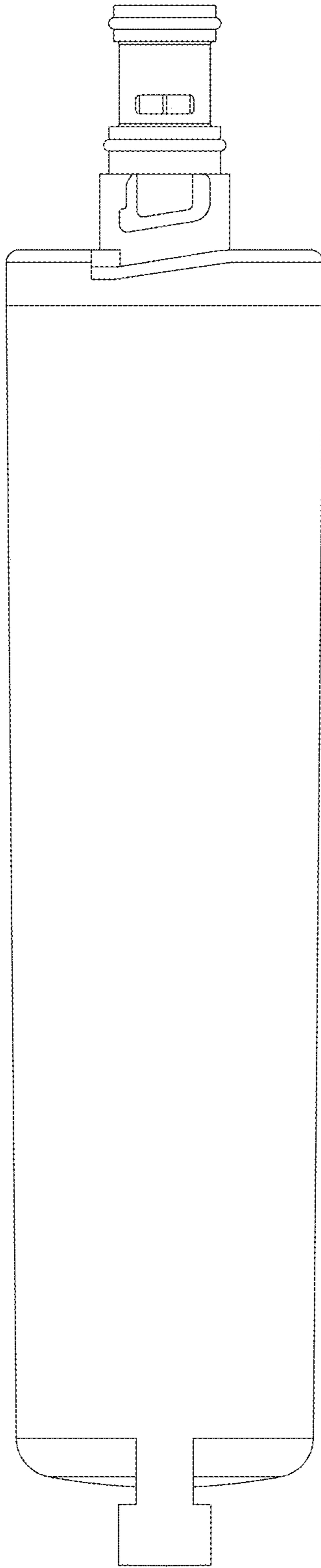


FIG. 1

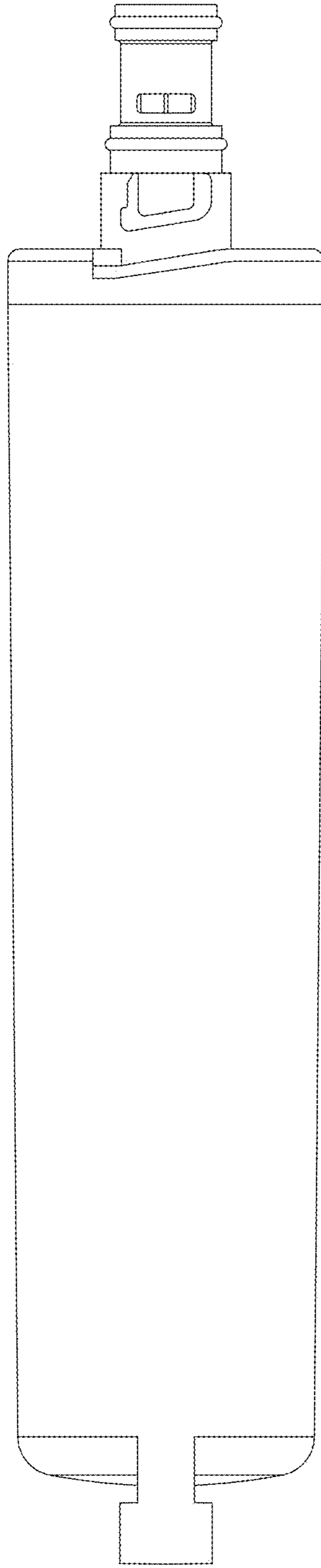


FIG. 2

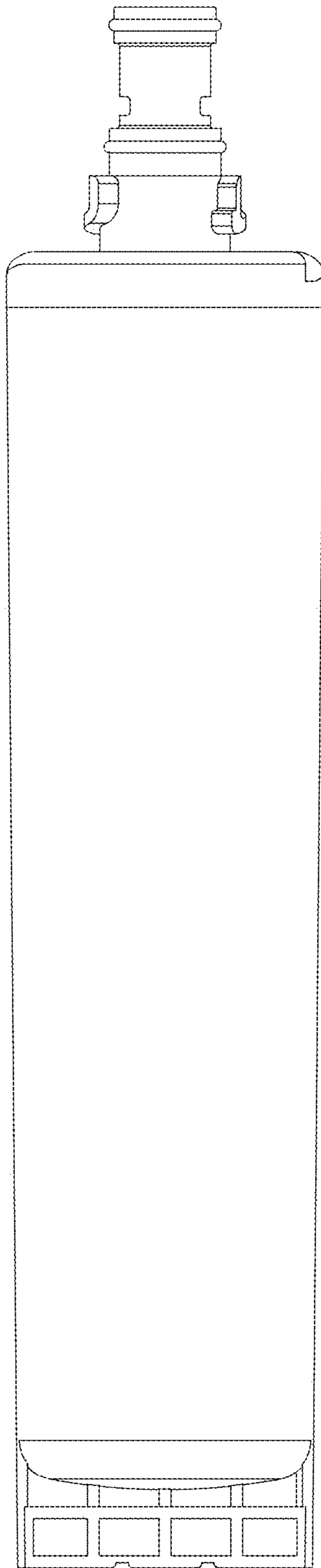


FIG. 3

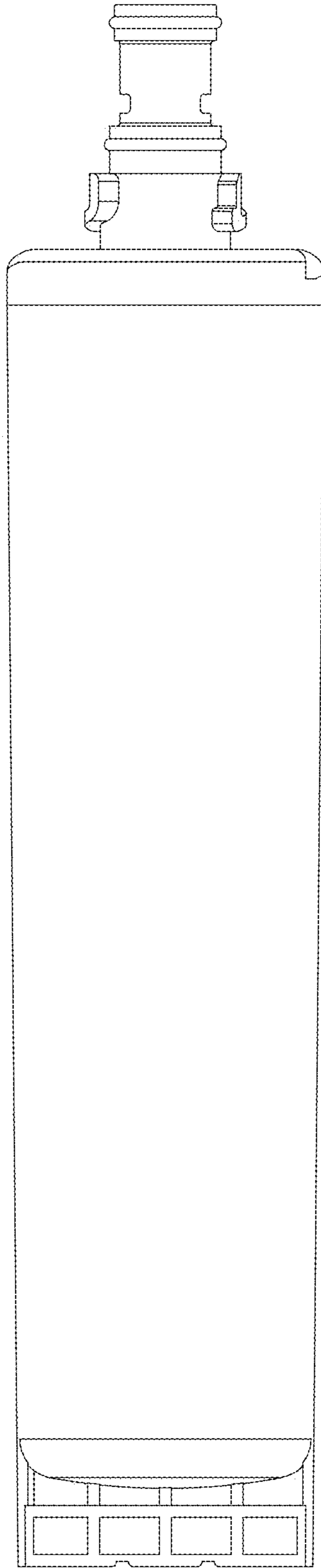


FIG. 4

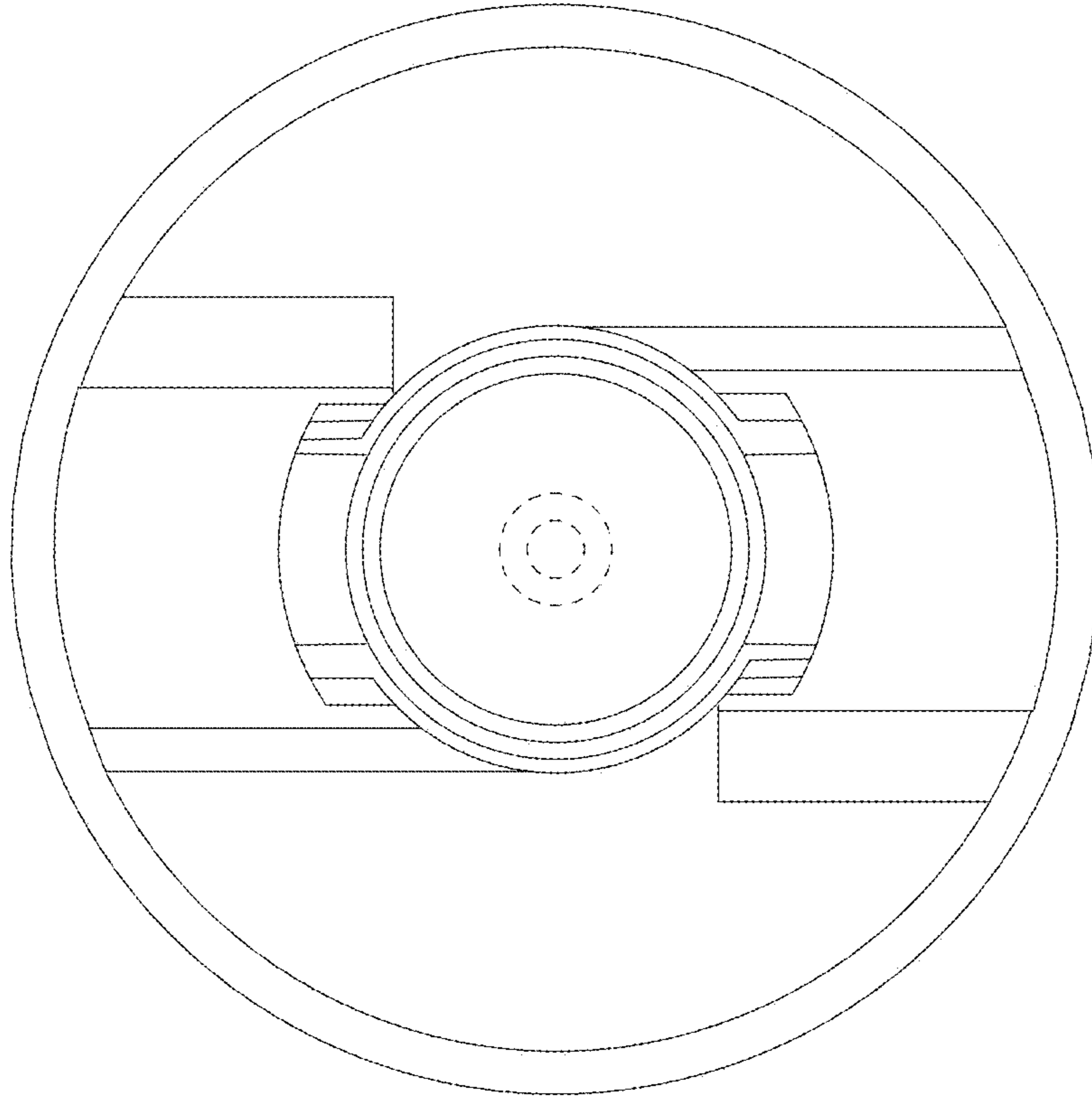


FIG. 5

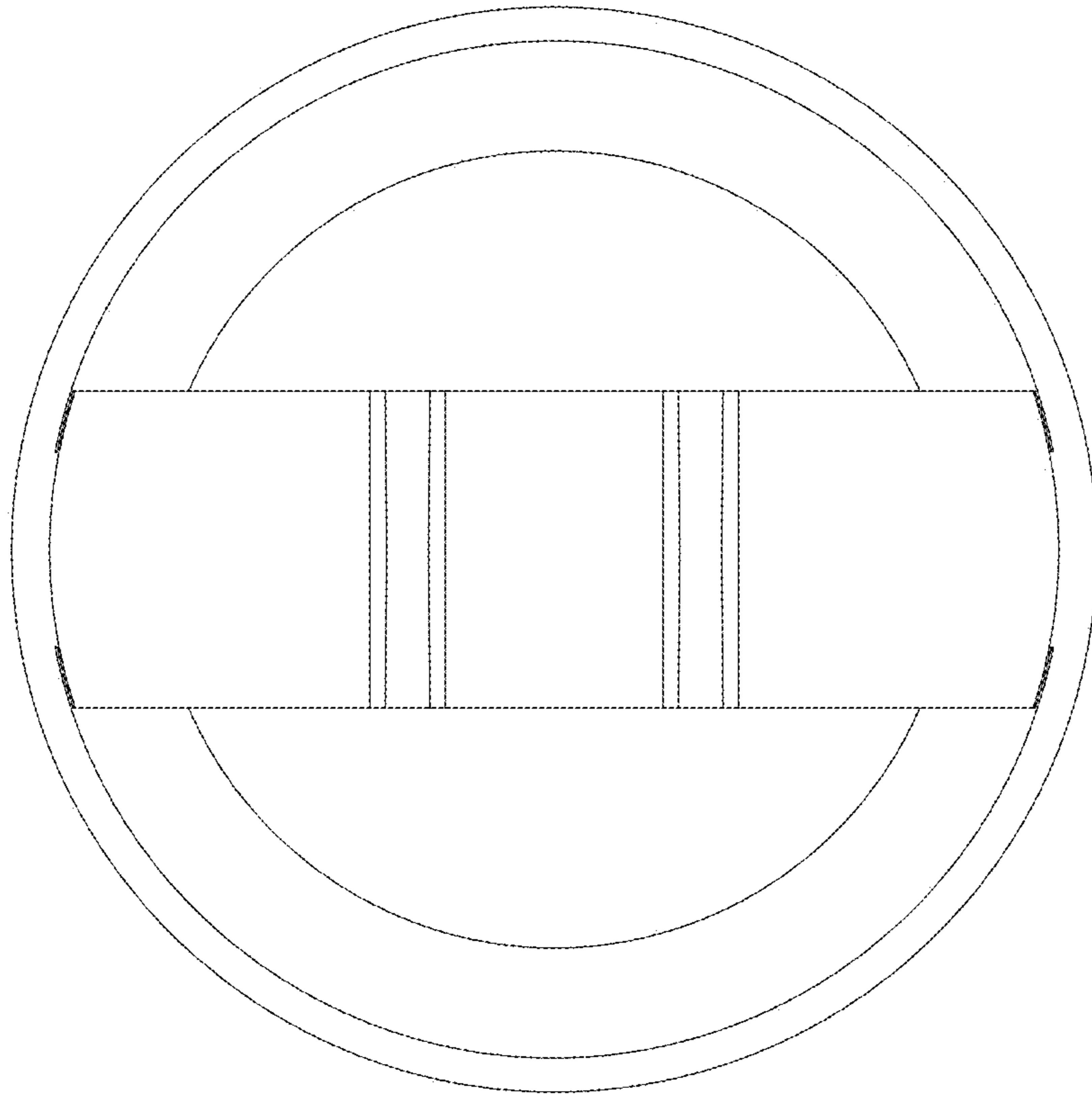


FIG. 6

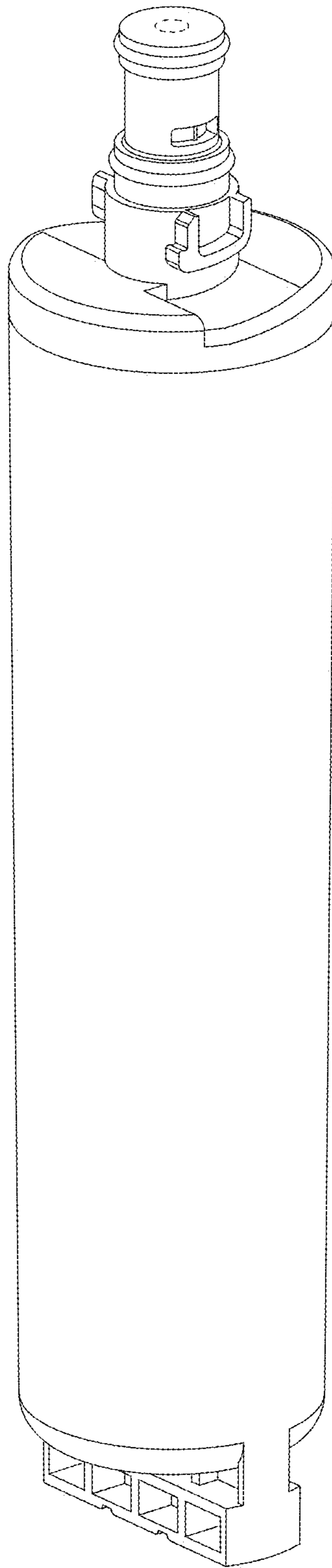


FIG. 7