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(12)

United States Design Patent

Kim et al.

(10)

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(45)

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(54) BATTERY

FOREIGN PATENT DOCUMENTS

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GB 6177082 * 4/2022

GB 6177083 * 4/2022

(Continued)

OTHER PUBLICATIONS

“LG Energy acquires ESS company in US from Japan’s NEC”, published Feb. 17, 2022. KEDGlobal.com [https://www.kedglobal.com/m_as/newsView/ked202202170006] (Year: 2022).*

(Continued)

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(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: 15 Years

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(57) CLAIM

The ornamental design for a battery, as shown and described.

(30) Foreign Application Priority Data

DESCRIPTION

Jun. 3, 2021 (KR) 30-2021-0026552

(51) LOC (14) Cl. 13-02

(52) U.S. Cl.

USPC D13/103

(58) Field of Classification Search

USPC D13/103, 107, 108, 110, 112, 118, 199, D13/122, 184, 104, 106

CPC H01M 50/209; H01M 50/536; H01M 50/247; H01M 50/244; H01M 2220/30

See application file for complete search history.

FIG. 1 is a front perspective view of a battery according to our design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a left side view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a top view thereof;

FIG. 7 is a bottom view thereof;

FIG. 8 is an enlarged detail view of area 8 circumscribed within FIG. 1;

FIG. 9 is an enlarged detail view of area 9 circumscribed within FIG. 4; and,

FIG. 10 is an enlarged detail view of area 10 circumscribed within FIG. 4.

The broken lines in the drawings depict portions of the battery that form no part of the claimed design.

(56) References Cited

U.S. PATENT DOCUMENTS

D508,018 S * 8/2005 Yokota D13/103

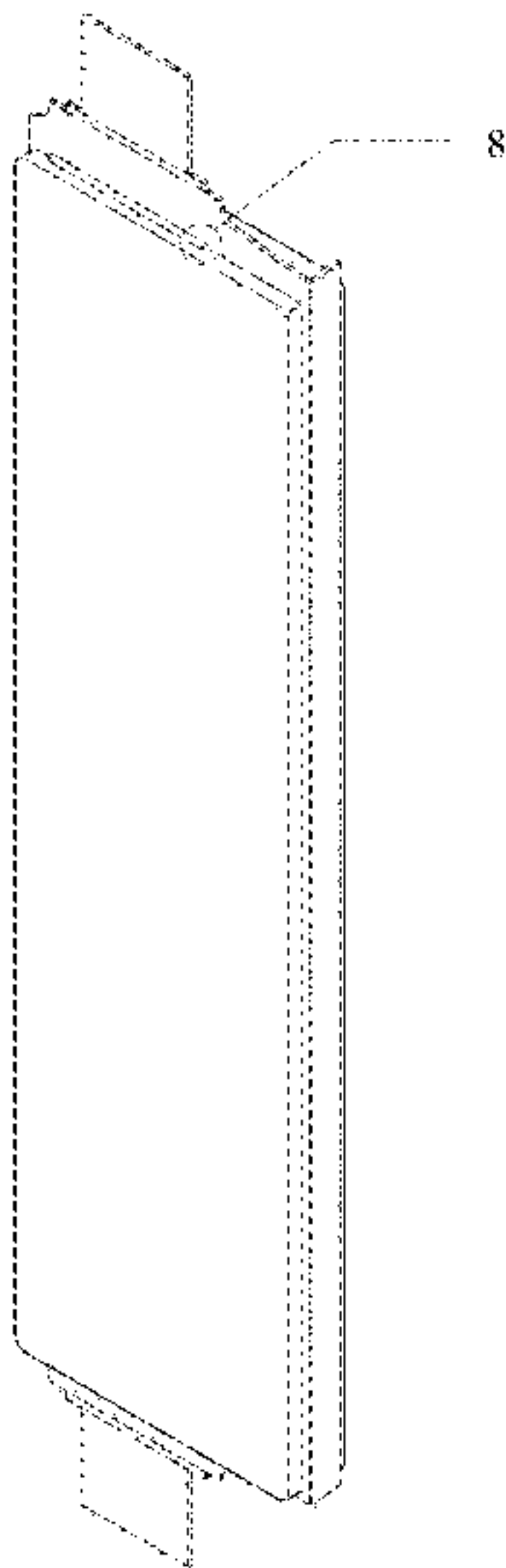
D635,506 S * 4/2011 Morisawa D13/103

D669,850 S * 10/2012 Morisawa D13/103

D670,240 S * 11/2012 Morisawa D13/103

(Continued)

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D709,441 S * 7/2014 Kwon D13/103
D716,722 S * 11/2014 Kwon D13/103
D821,308 S * 6/2018 Chia D13/108
D935,389 S * 11/2021 Park D13/103
D956,685 S * 7/2022 Cohen D13/103
2014/0234691 A1 * 8/2014 Lee H01M 10/6567
429/120
2016/0126516 A1 * 5/2016 Komiya H01M 50/227
429/153
2020/0365844 A1 * 11/2020 Jeon H01M 10/6556
2022/0102818 A1 * 3/2022 Rhee H01M 50/176
2022/0115752 A1 * 4/2022 Wang H01M 50/211

FOREIGN PATENT DOCUMENTS

GB 6177084 * 4/2022
JP D1648729 S 11/2019

JP D1736633 * 2/2023
JP D1746593 * 6/2023
JP D1746677 * 6/2023
KR 20210011813 A 2/2021
KR 301176213.0000 * 8/2022
KR 301176214.0000 * 8/2022
KR 301176215.0000 * 8/2022

OTHER PUBLICATIONS

“Advanced Automotive Battery”, first accessed Aug. 3, 2023.
LGEEnSol.com [https://www.lgensol.com/en/business-automotive-battery] (Year: 2023).
Kim, H.B. et al., U.S. Appl. No. 29/815,904, filed Nov. 17, 2021, titled “Battery.”
Kim, H.B. et al., U.S. Appl. No. 29/814,802, filed Nov. 9, 2021, titled “Battery.”

* cited by examiner

FIG. 1

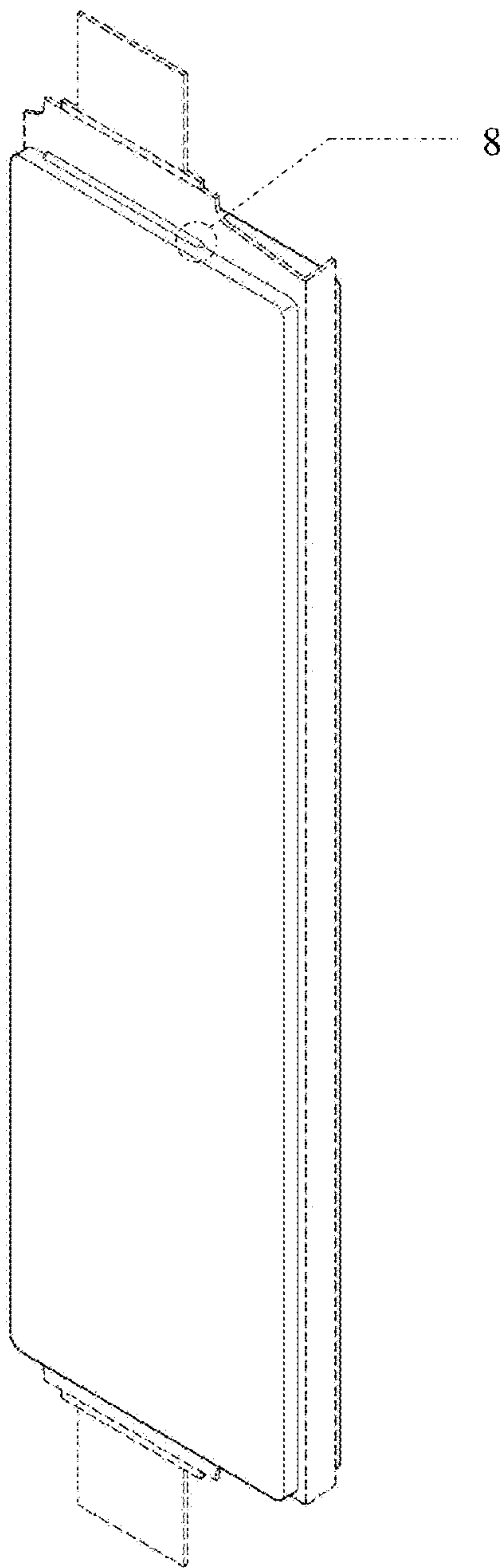


FIG. 2

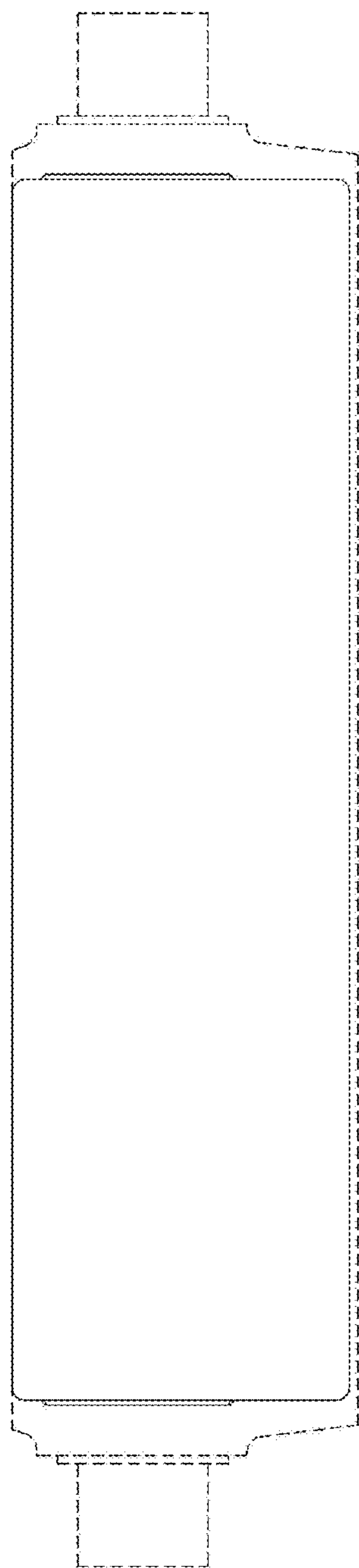


FIG. 3

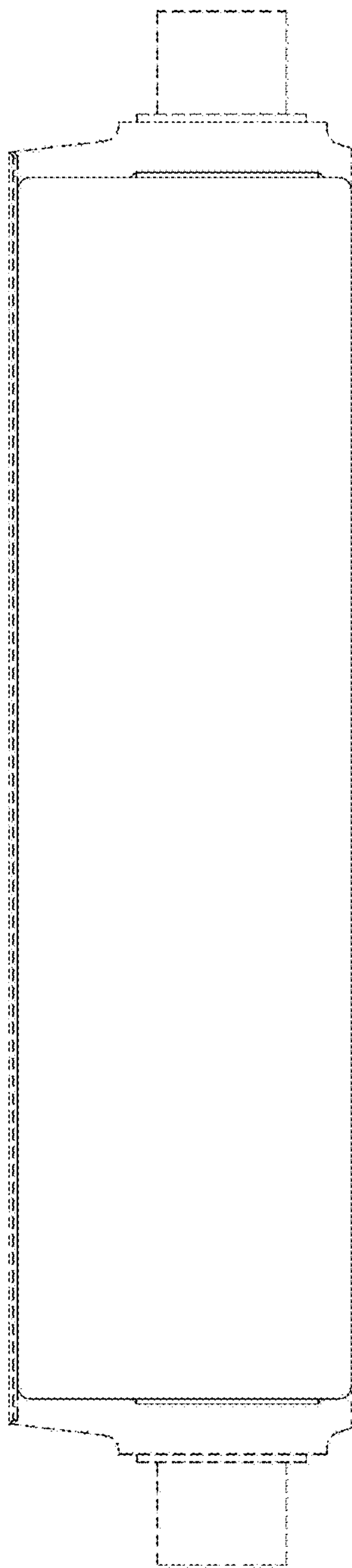


FIG. 4

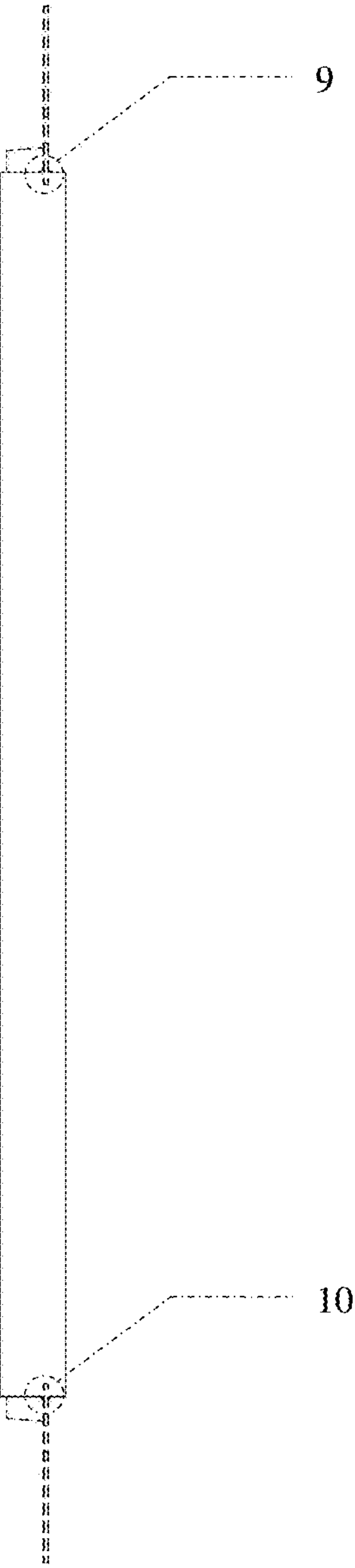


FIG. 5

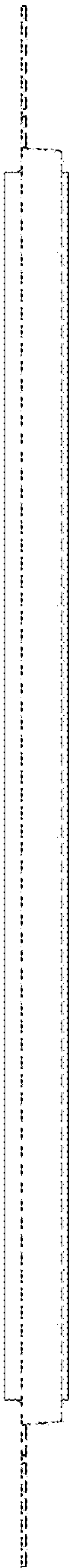


FIG. 6

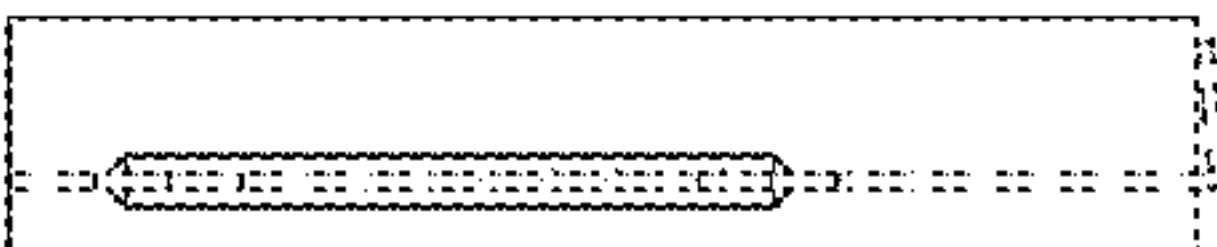


FIG. 7



FIG. 8

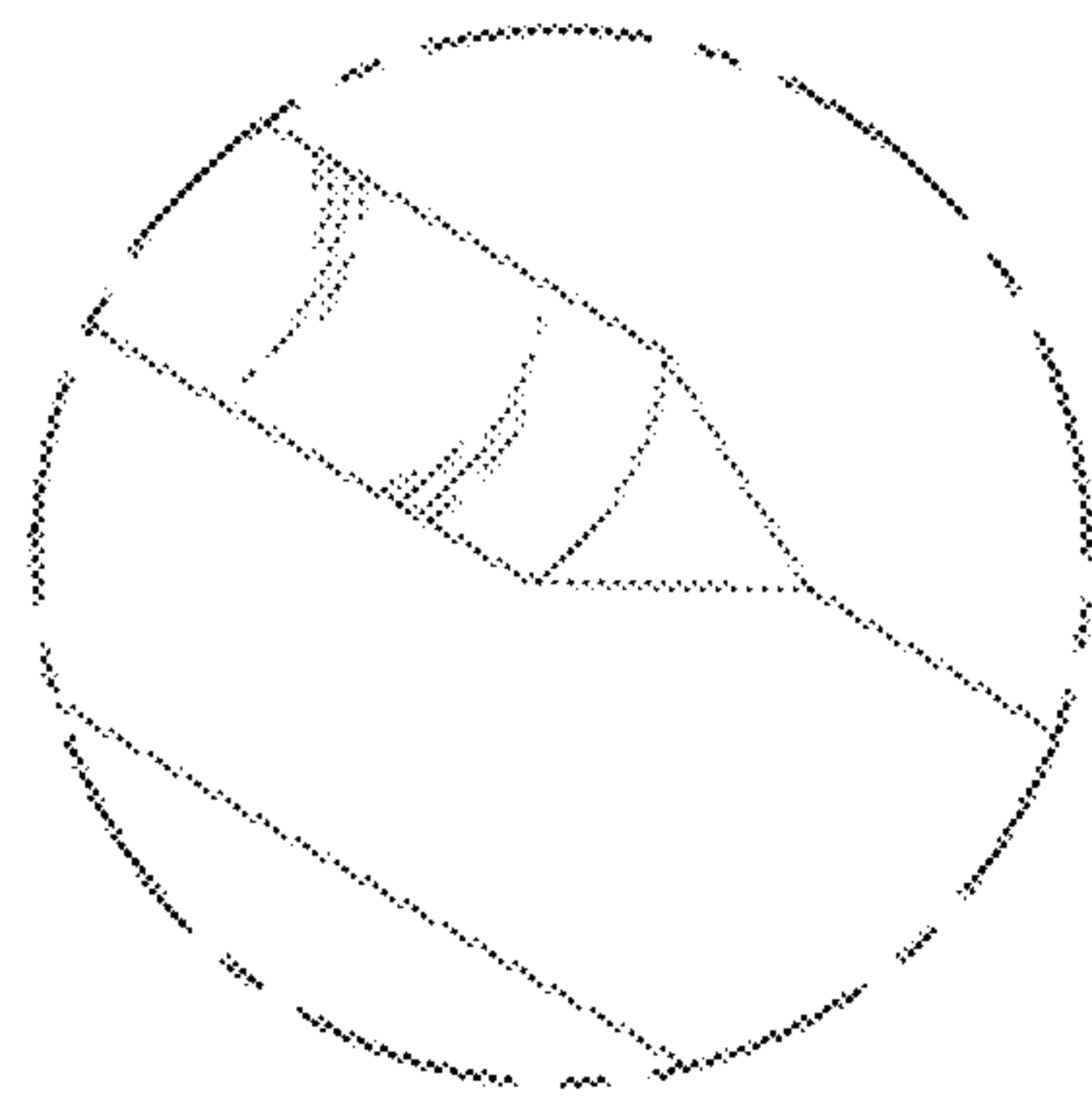


FIG. 9

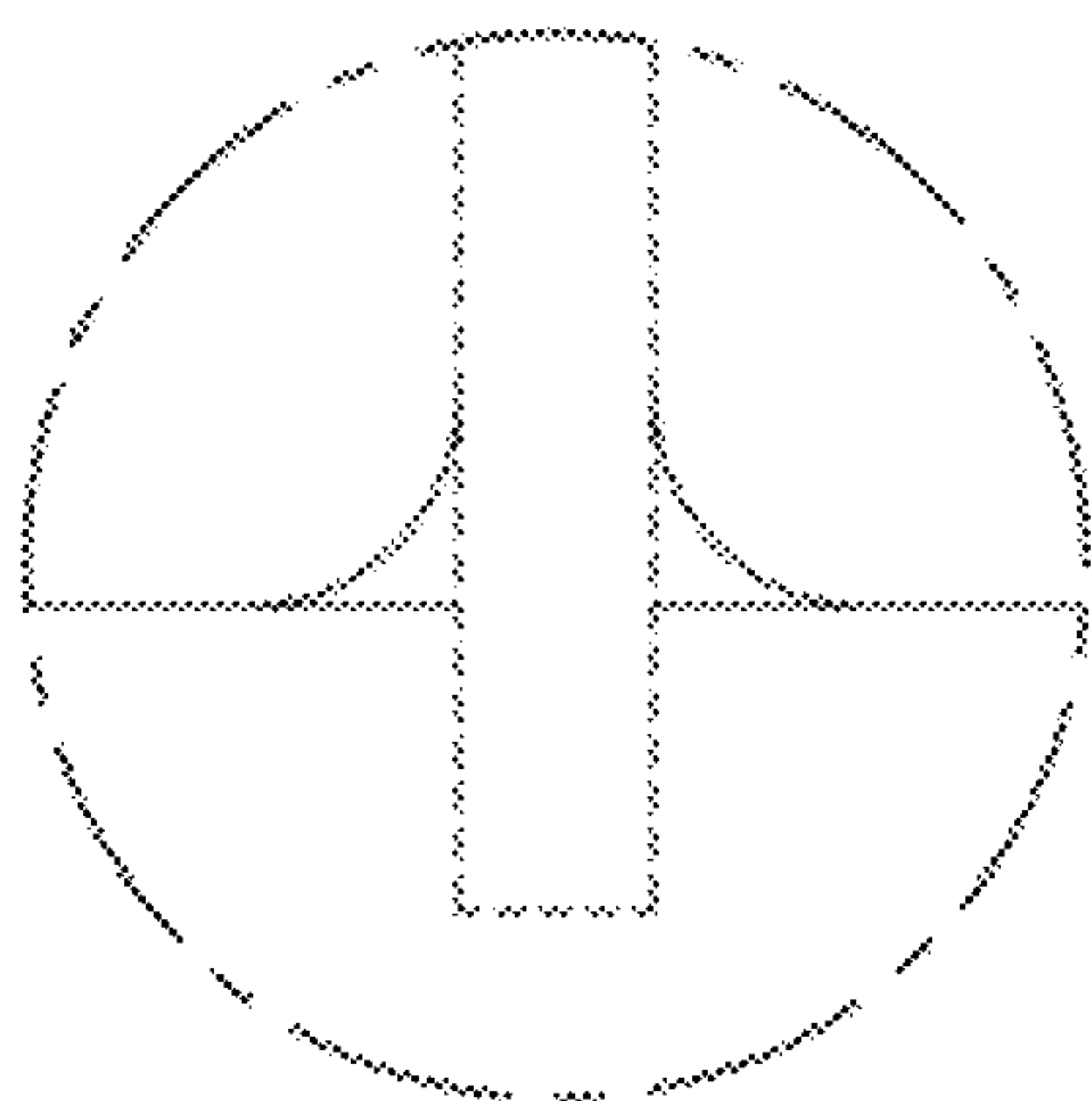


FIG. 10

