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(12) **United States Design Patent**
Wakamatsu et al.

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(45) **Date of Patent:** **** Aug. 19, 2008**

(54) **CRYSTAL RESONATOR FOR BIO-SENSOR**

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(**) Term: **14 Years**

(21) Appl. No.: **29/294,253**

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(51) **LOC (8) Cl.** **10-04**

(52) **U.S. Cl.** **D10/46**

(58) **Field of Classification Search** D10/46;
73/24.06, 580, 778; 310/8.2, 8.9, 320, 344,
310/553, 361, 370; 324/715-719; 333/72
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **CLAIM**

The ornamental design for a crystal resonator for bio-sensor,
as shown and described.

DESCRIPTION

FIG. 1 is a front view of a crystal resonator for bio-sensor of
a new design;

FIG. 2 is a back view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a plan view thereof;

FIG. 6 is a bottom view thereof; and,

FIG. 7 is an assembling view showing a condition wherein the
crystal resonator is incorporated in a sensing apparatus.

The broken line showing of structural features are included
for the purpose of illustrating non-claimed subject matter and
forms no part of the claimed design.

1 Claim, 3 Drawing Sheets

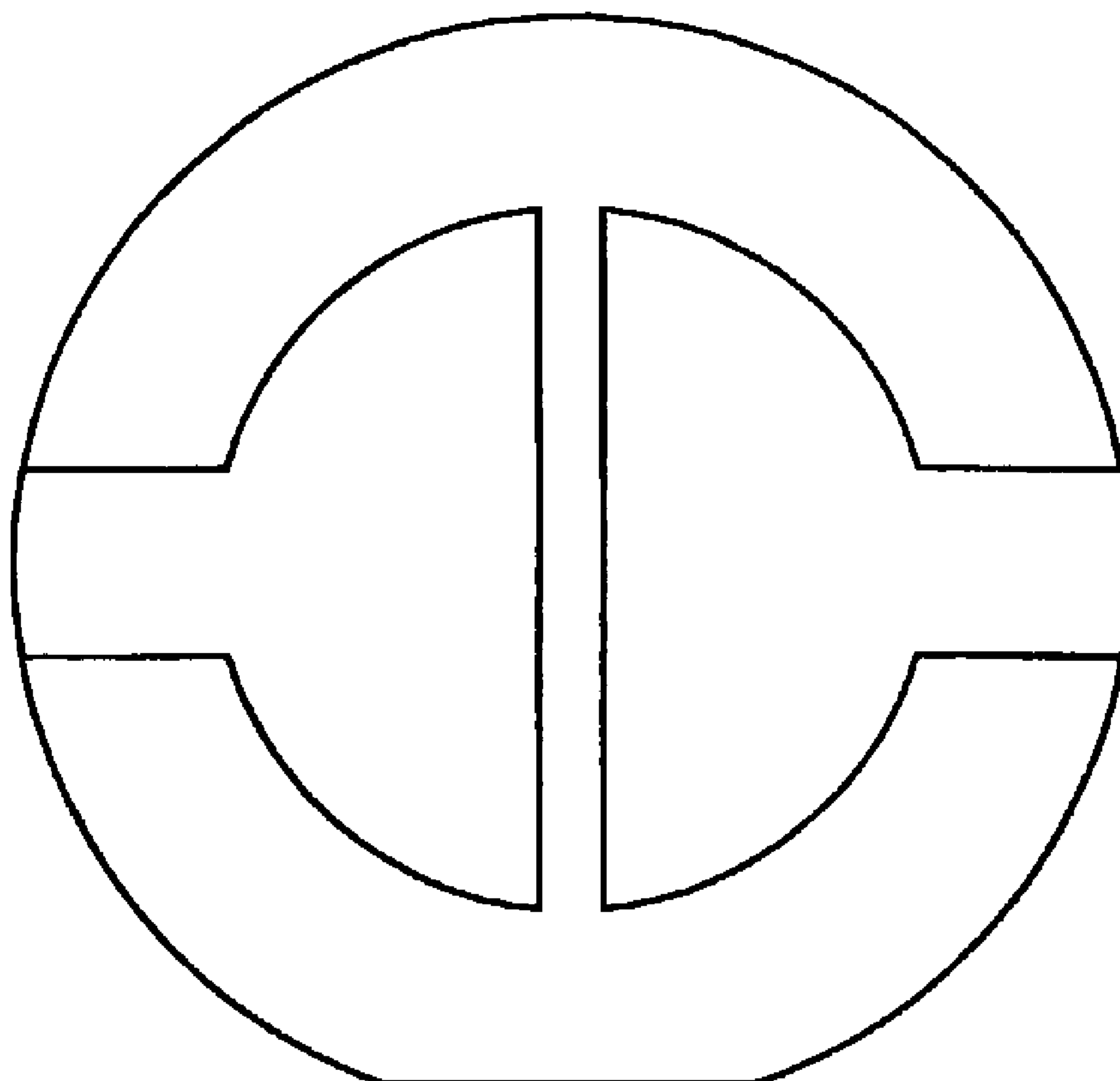


FIG.1

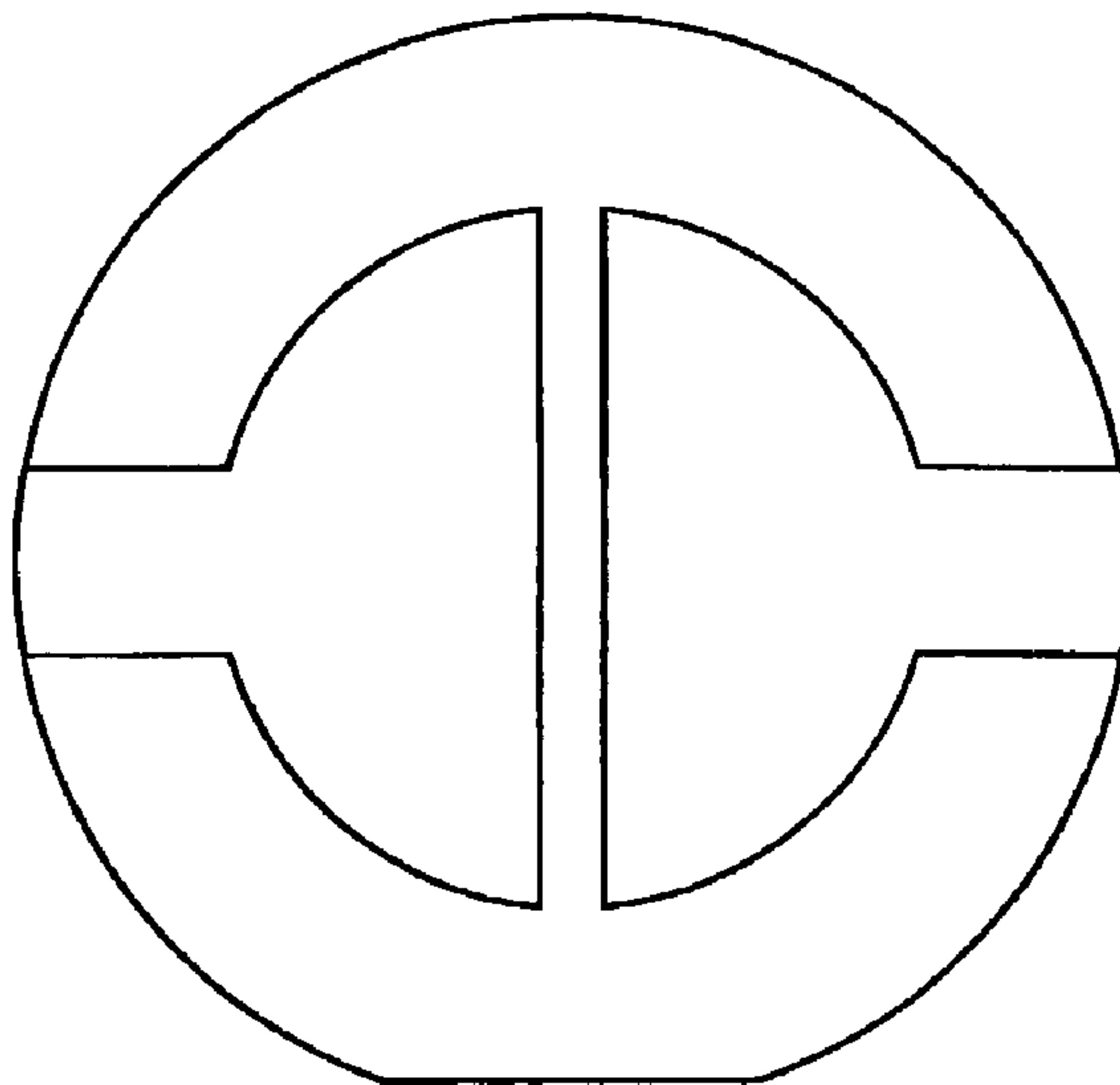


FIG.2

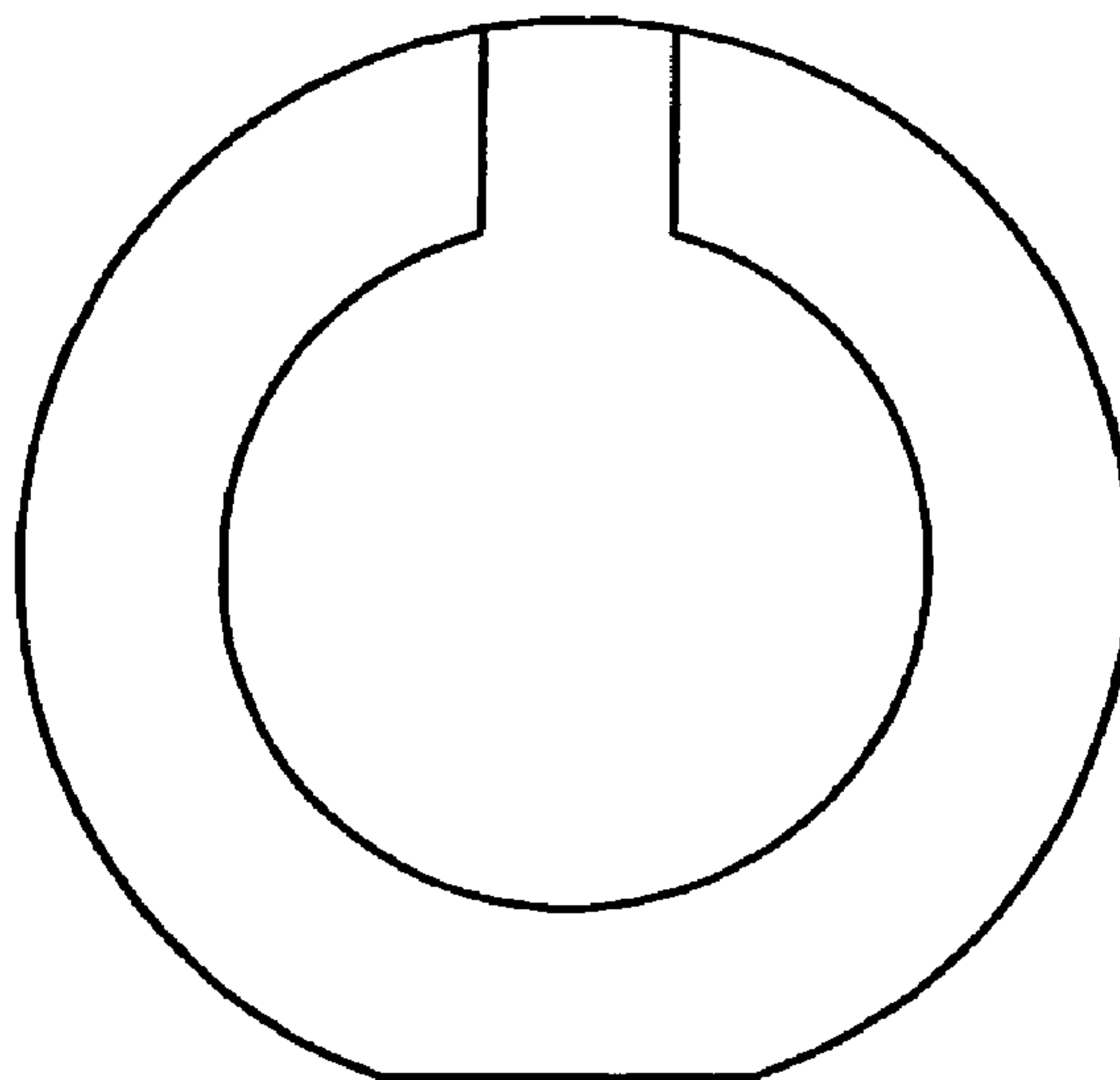


FIG.3



FIG.4



FIG.5

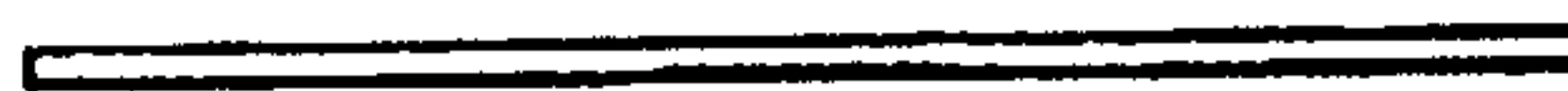


FIG.6



FIG.7

