



US00D705283S

(12) **United States Design Patent**
Kenji

(10) **Patent No.:** **US D705,283 S**

(45) **Date of Patent:** **** *May 20, 2014**

(54) **COLLET CHUCK**

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(73) Assignee: **Kyoshin Kogyo Co., Ltd.**, Osaka (JP)

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

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

(21) Appl. No.: **29/403,394**

(22) Filed: **Oct. 5, 2011**

(51) **LOC (10) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/140**

(58) **Field of Classification Search**
USPC D8/61-71; D15/140; 81/429; 175/320,
175/324, 393, 415; 279/4, 46, 60-64, 145,
279/157, 901-902; 299/33; 409/182,
409/231-233

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a collet chuck, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a collet chuck, showing my new design;

FIG. 2 is a front view, the rear view being a mirror image thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a plan view thereof;

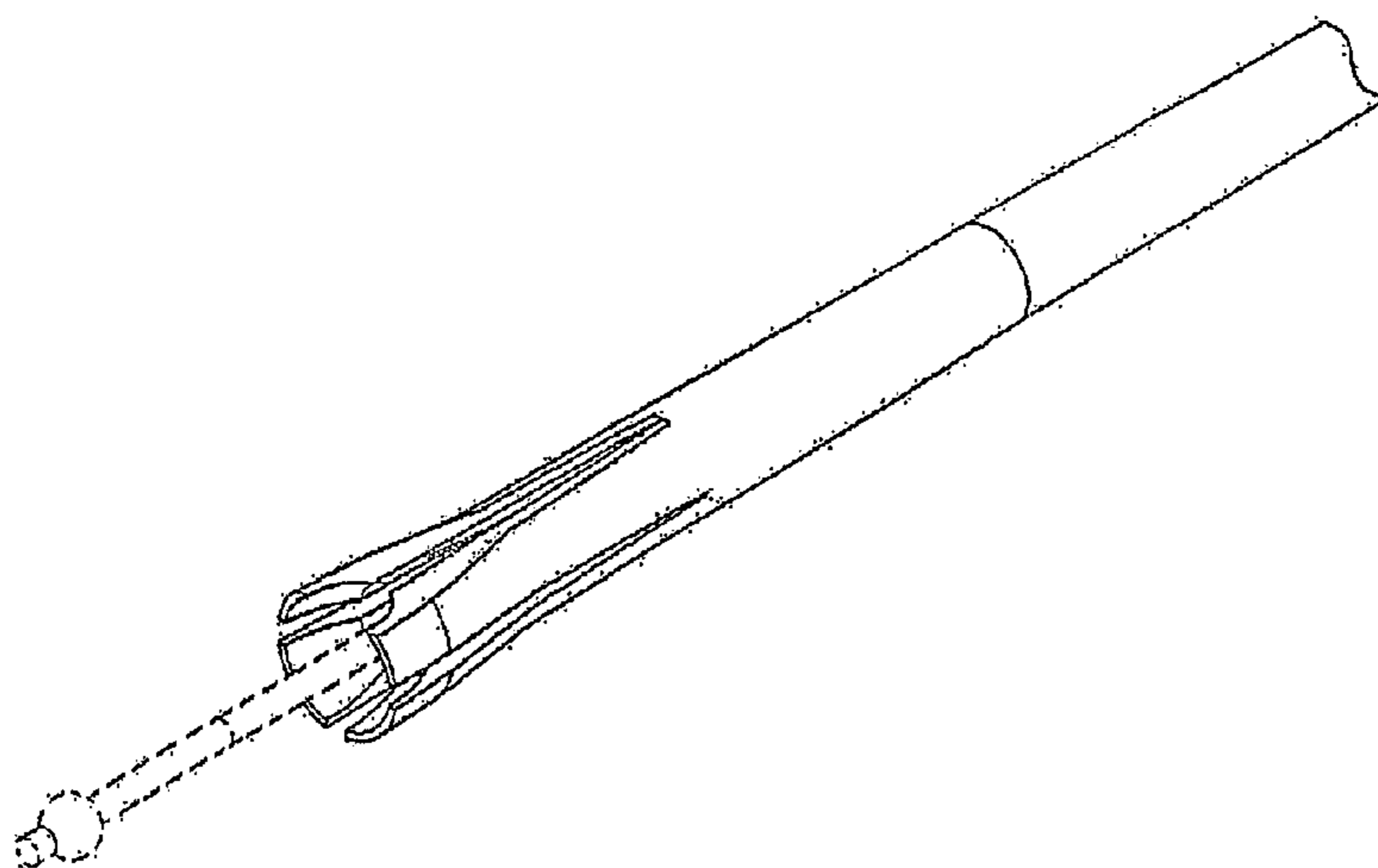
FIG. 6 is a bottom view thereof;

FIG. 7 is a cross-sectional view thereof, taken along line 7-7 of FIG. 3; and,

FIG. 8 is a view illustrating a use of the collet chuck; the broken line showing of the billet for enlarging forms no part of the claimed design.

The claimed collet chuck has a structure in which a fore-end of a cylinder is divided into four parts and slits are formed between the divided parts. The collet chuck clamps and supports a product to be processed on the outside thereof.

1 Claim, 3 Drawing Sheets



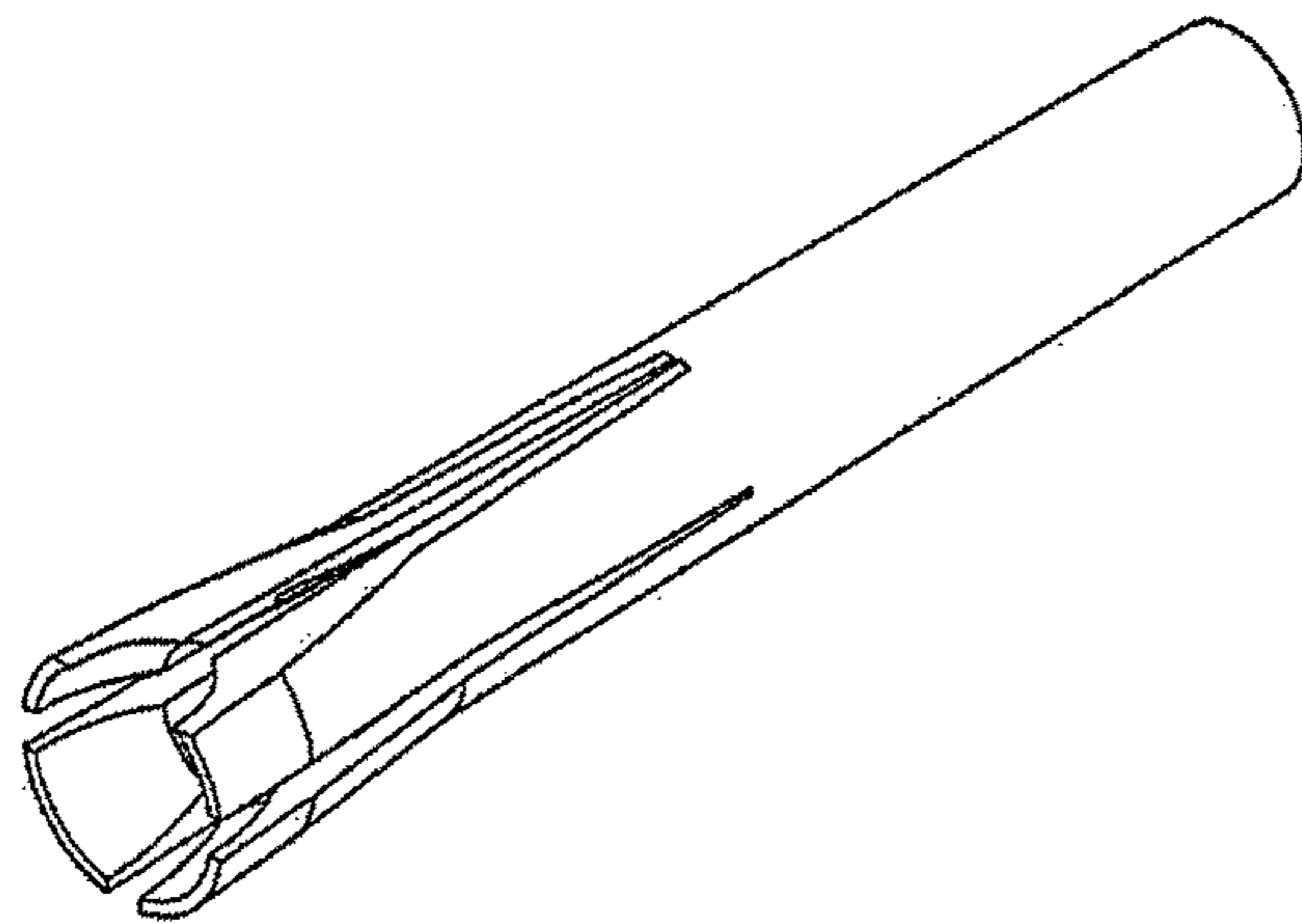


FIG. 1

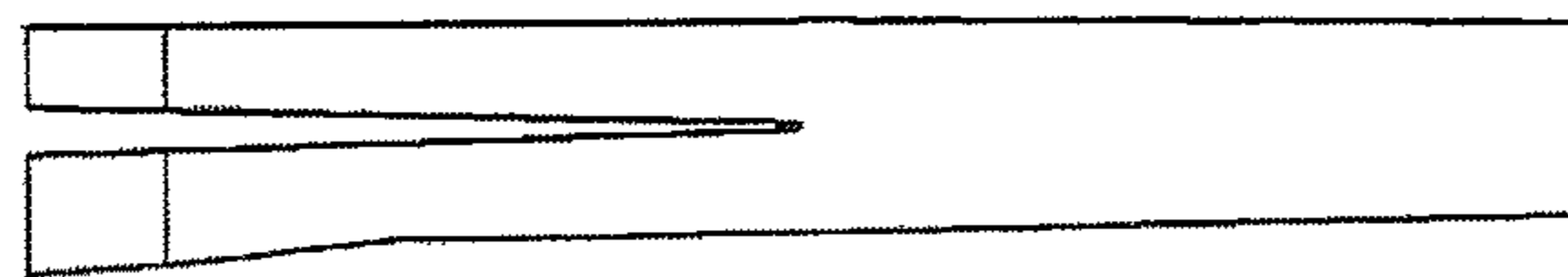


FIG. 2

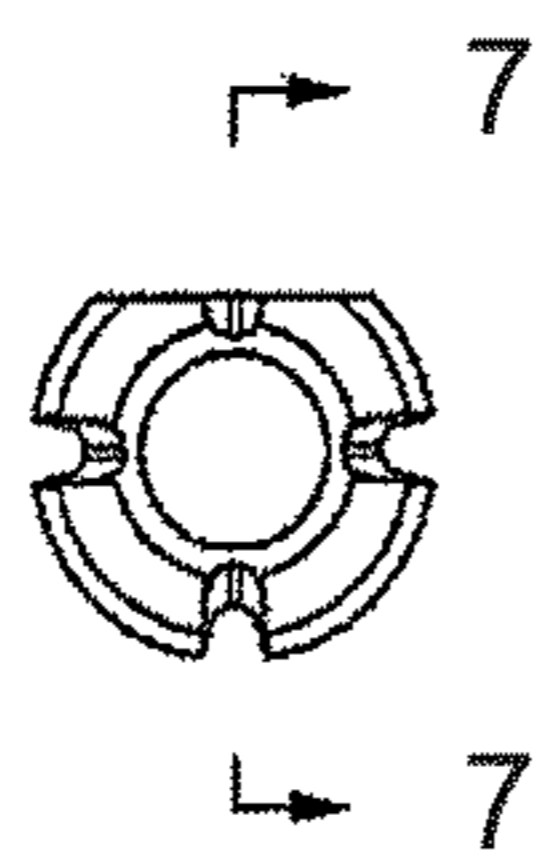


FIG. 3



FIG. 4

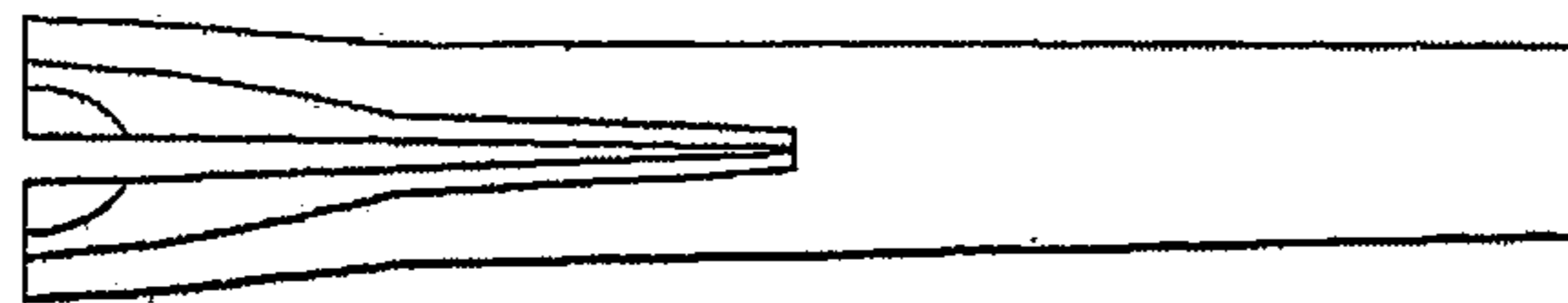


FIG. 5

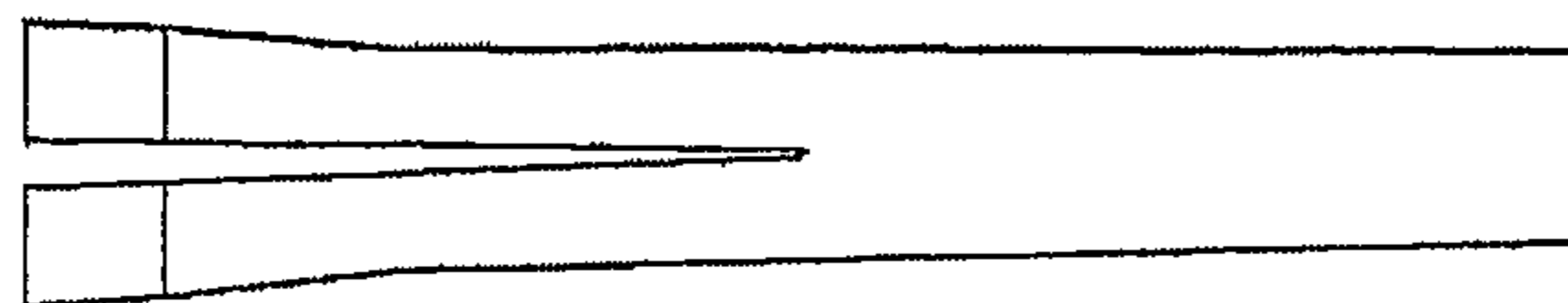


FIG. 6

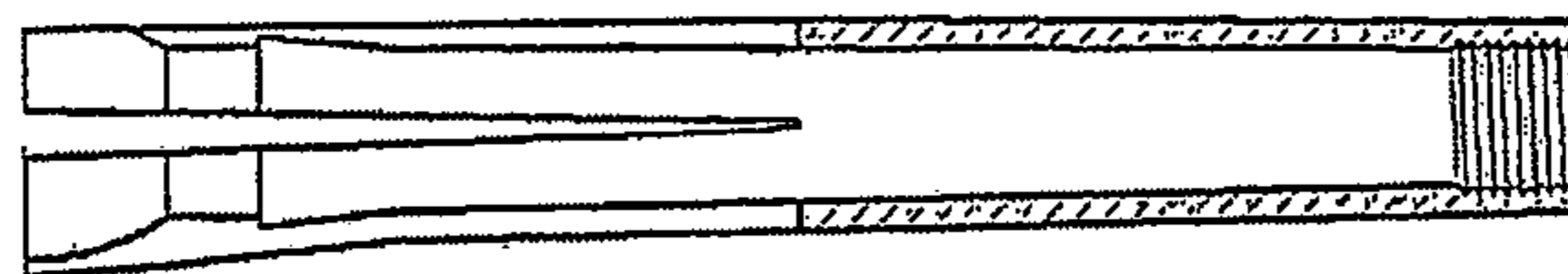


FIG. 7

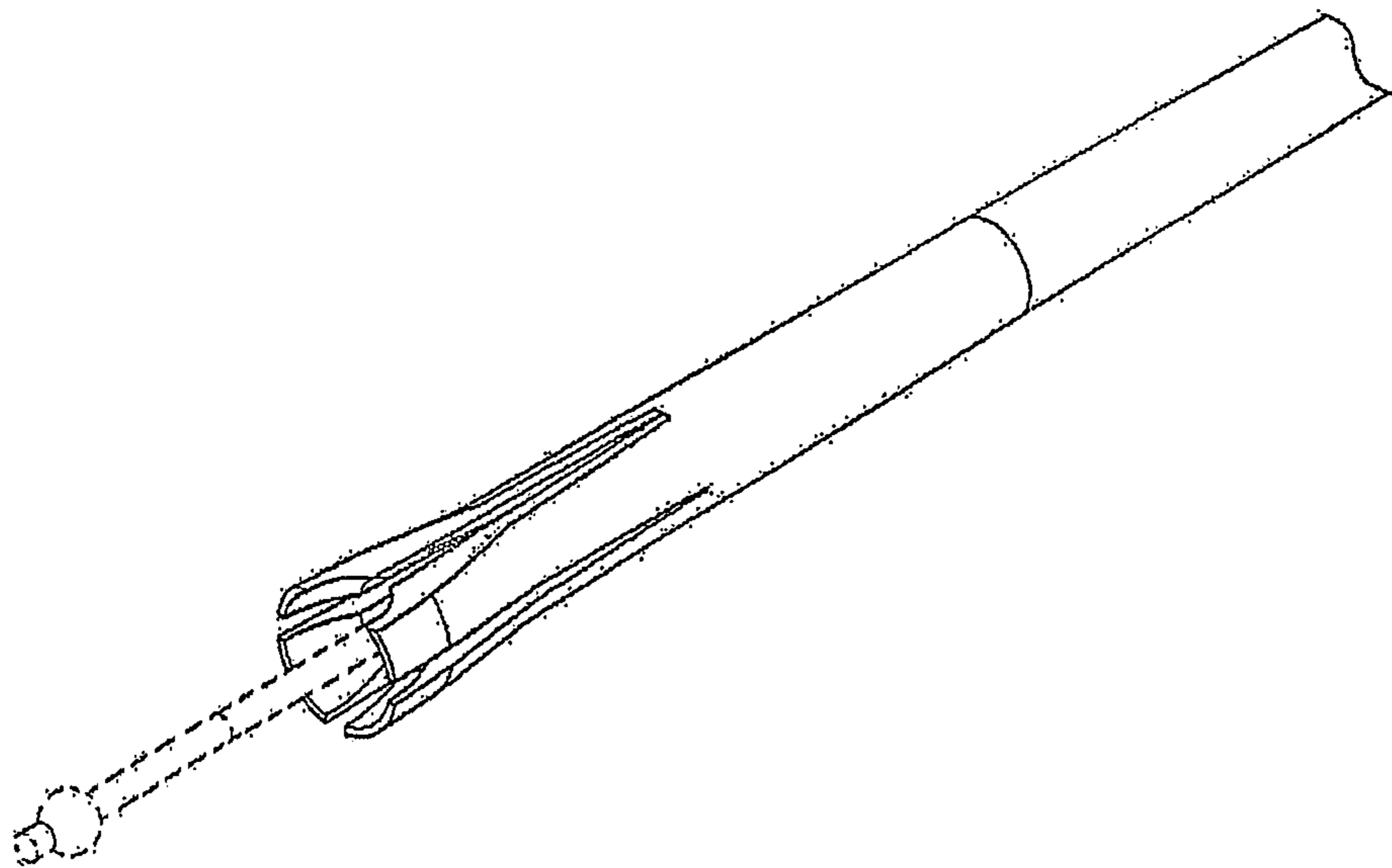


FIG.8

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : D705,283 S
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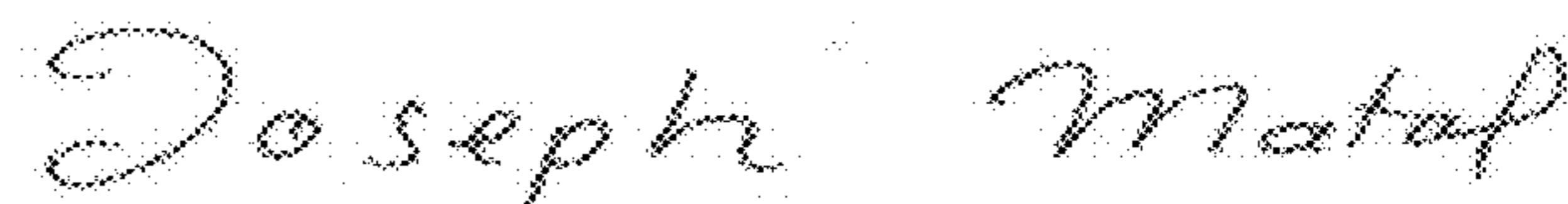
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Item (30), "Foreign Application Priority Data" should be added. Such foreign application priority data should read:

--(30) Foreign Application Priority Data
April 6, 2011 (KR) -----30-2011-0013842--

Signed and Sealed this
Thirteenth Day of June, 2017



Joseph Matal
*Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
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