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

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(54) **DRILL HANDLE**
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(**) Term: **14 Years**

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(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/146**

(58) **Field of Classification Search**
USPC D24/146, 147, 148, 113, 133, 137, 138;
D8/61, 68; 606/45, 49, 109, 162; 604/35
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|--------------|--------|-----------------|---------------|
| D245,789 S | 9/1977 | Shea et al. | |
| 5,888,200 A | 3/1990 | Walen | |
| 5,222,956 A | 6/1993 | Waldron | |
| 5,505,737 A | 4/1996 | Gosselin et al. | |
| D419,238 S * | 1/2000 | Maissami | D24/119 |
| 6,037,724 A | 3/2000 | Buss et al. | |
| 6,113,596 A | 9/2000 | Hooven et al. | |
| 6,733,218 B2 | 5/2004 | Del Rio | |
| 7,001,391 B2 | 2/2006 | Estes et al. | |

| | | | |
|----------------|---------|---------------|------------------------------|
| 7,448,870 B2 | 11/2008 | Maitre | |
| 8,002,770 B2 * | 8/2011 | Swanson | A61B 18/1492 606/41 |
| 8,277,474 B2 | 10/2012 | Norman et al. | |
| D687,143 S * | 7/2013 | Ogura | D24/119 |
| 8,597,316 B2 * | 12/2013 | McCombs | A61B 17/162 606/167 |
| 9,050,113 B2 * | 6/2015 | Bloom | A61B 17/1671 |
| 9,056,193 B2 * | 6/2015 | Ignon | A61M 35/003 |

(Continued)

OTHER PUBLICATIONS

Potentially related design U.S. Appl. No. 29/524,746, filed Apr. 23, 2015.

(Continued)

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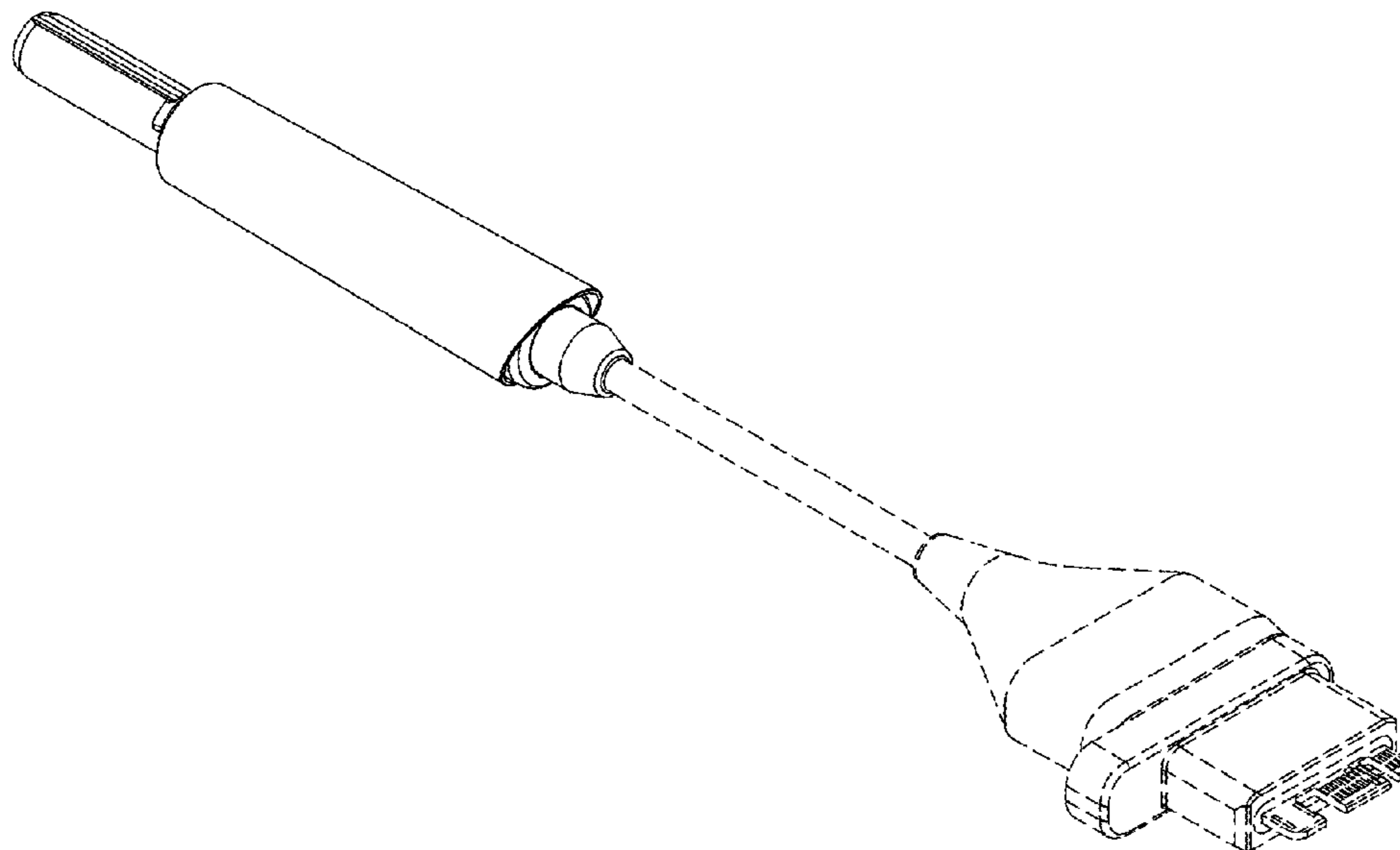
(57) **CLAIM**

The ornamental design for a drill handle, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a drill handle.
FIG. 2 is a top elevational view thereof.
FIG. 3 is a bottom elevational view thereof.
FIG. 4 is a side elevational view thereof, the other side being a mirror image.
FIG. 5 is an enlarged scale rear elevational view thereof; and,
FIG. 6 is an enlarged scale front elevational view thereof.
The broken lines shown in FIGS. 1-6 illustrate portions of the drill handle that form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,265,407 B2 * 2/2016 Goldfarb A61B 1/00135
 9,402,626 B2 * 8/2016 Ortiz A61B 17/068
 9,402,635 B2 * 8/2016 Boykin A61B 17/141
 9,402,680 B2 * 8/2016 Ginnebaugh A61B 18/085
 9,433,437 B2 * 9/2016 Kesten A61B 17/24
 9,468,362 B2 * 10/2016 Goldfarb A61B 1/018
 D771,253 S * 11/2016 Osada D24/138
 D773,661 S * 12/2016 Funakoshi D24/138
 2003/0114850 A1 6/2003 McClurken et al.
 2003/0181904 A1 9/2003 Levine et al.

OTHER PUBLICATIONS

Potentially related design U.S. Appl. No. 29/524,744, filed Apr. 23, 2015.

Visao Handpiece image obtained from <<http://www.orientmed.org/ViewProduct.aspx?id=25>> last accessed Jun. 19, 2015.

Image of Drill Surgical Power Tool, EPV-220 series DeSoutter Medical obtained from <<http://www.medicaexpo.com/prod/desoutter-medical/product-68192-420003.html>> last accessed Jun. 19, 2015.

Image of Stryker 5400-100 Core U Drill obtained from <http://www.re-owned.com/itemcode-57n82n1_003> last accessed Jun. 19, 2015.

Image of China Micro Bone Drill from Shanghai Bojin Medical Instrument Co., Ltd. Obtained from <<http://shbojin.en.made-in-china.com/product/LBimKWEdXUhV/China-Micro-Bone-Drill.html>> last accessed Jun. 19, 2015.

Olympus, Viper Otology Drill System, 4 pages, published Aug. 2010.

* cited by examiner

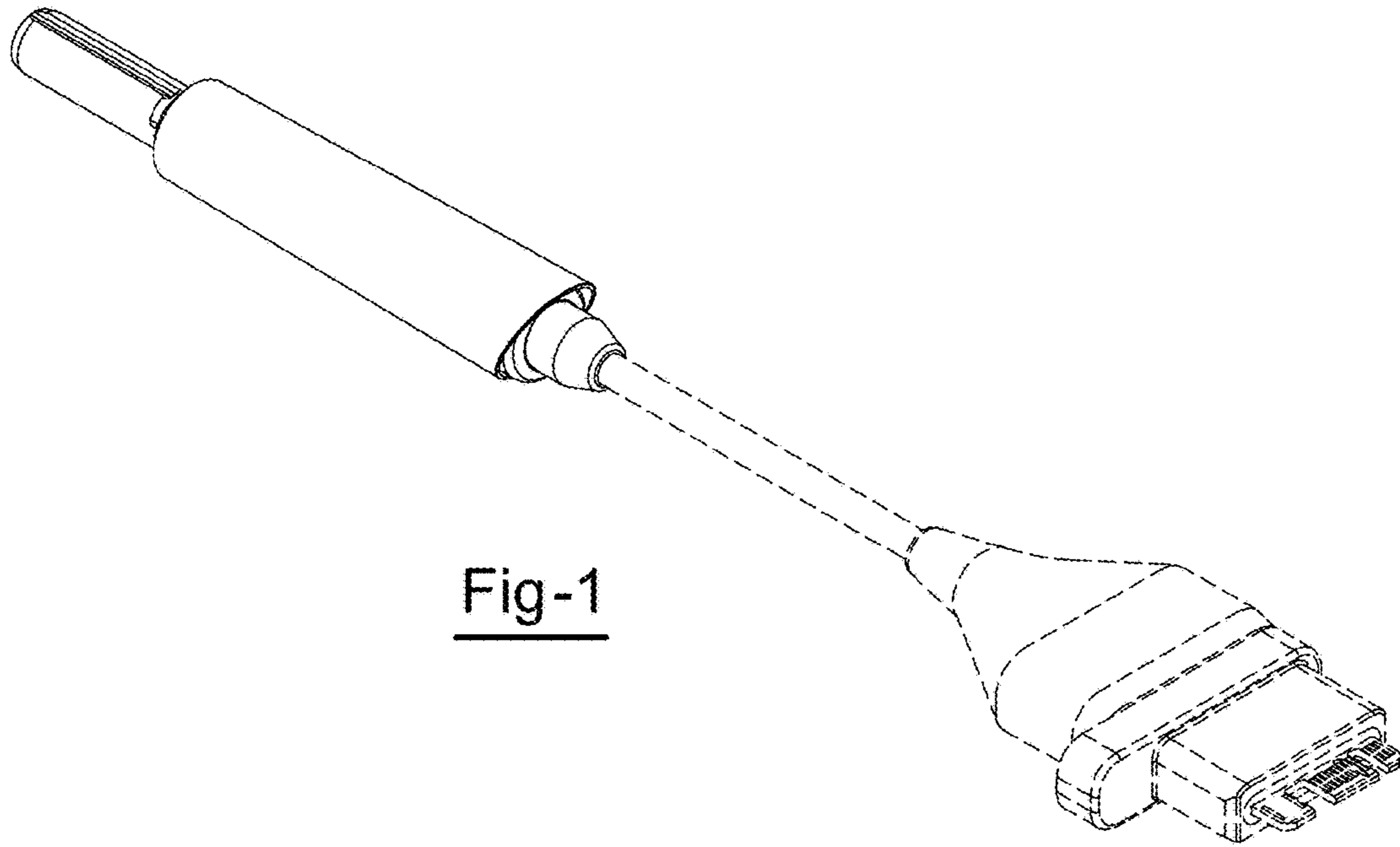


Fig-1

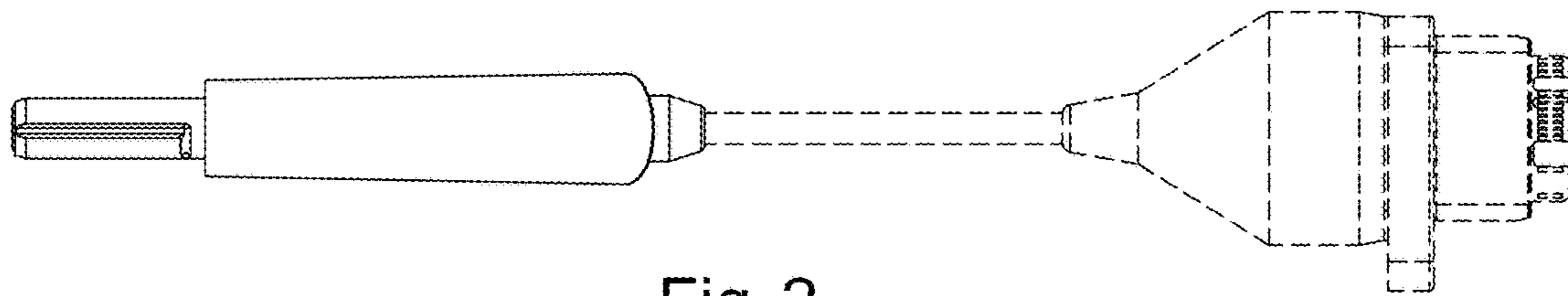


Fig-2

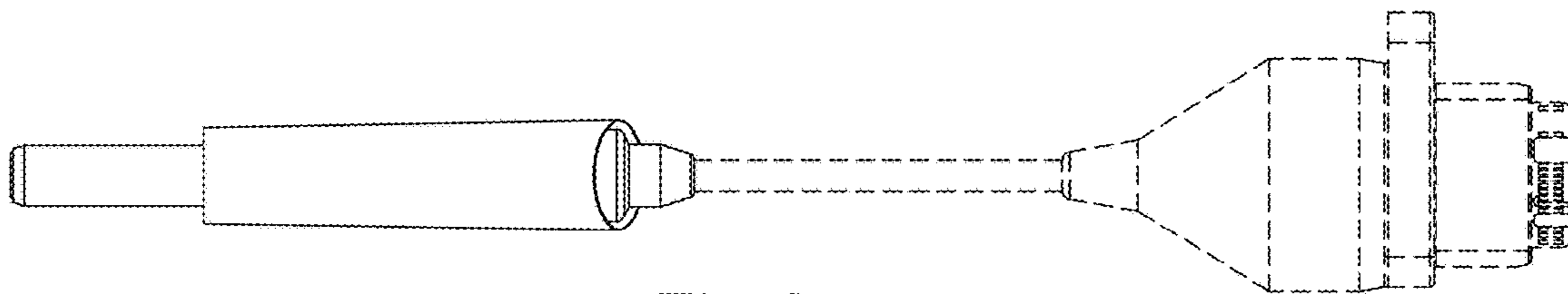


Fig-3

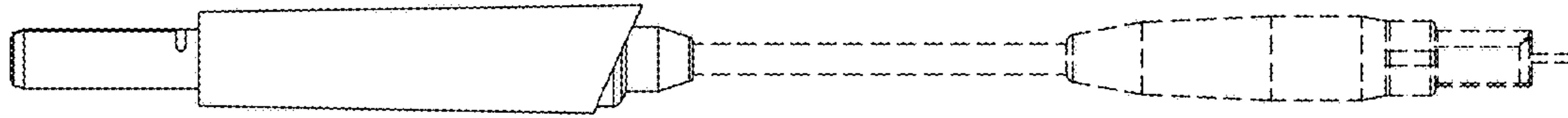


Fig-4

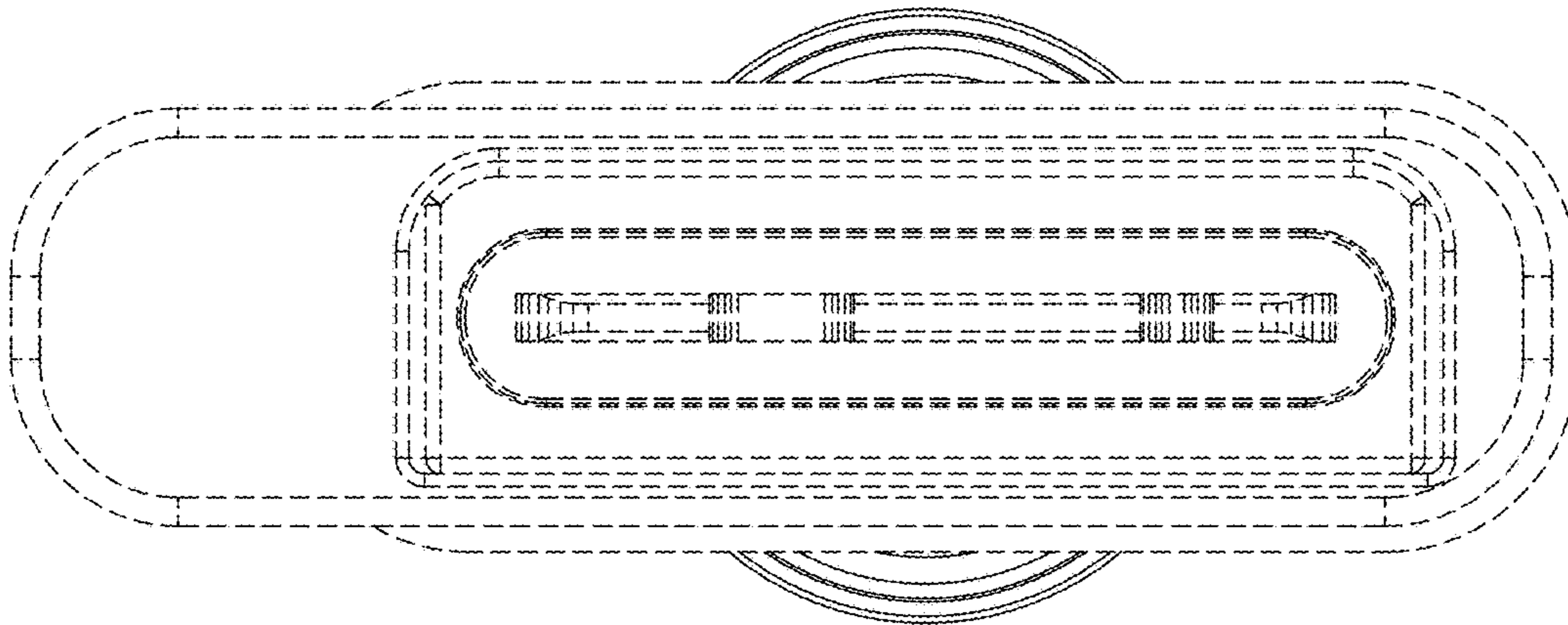


Fig-5

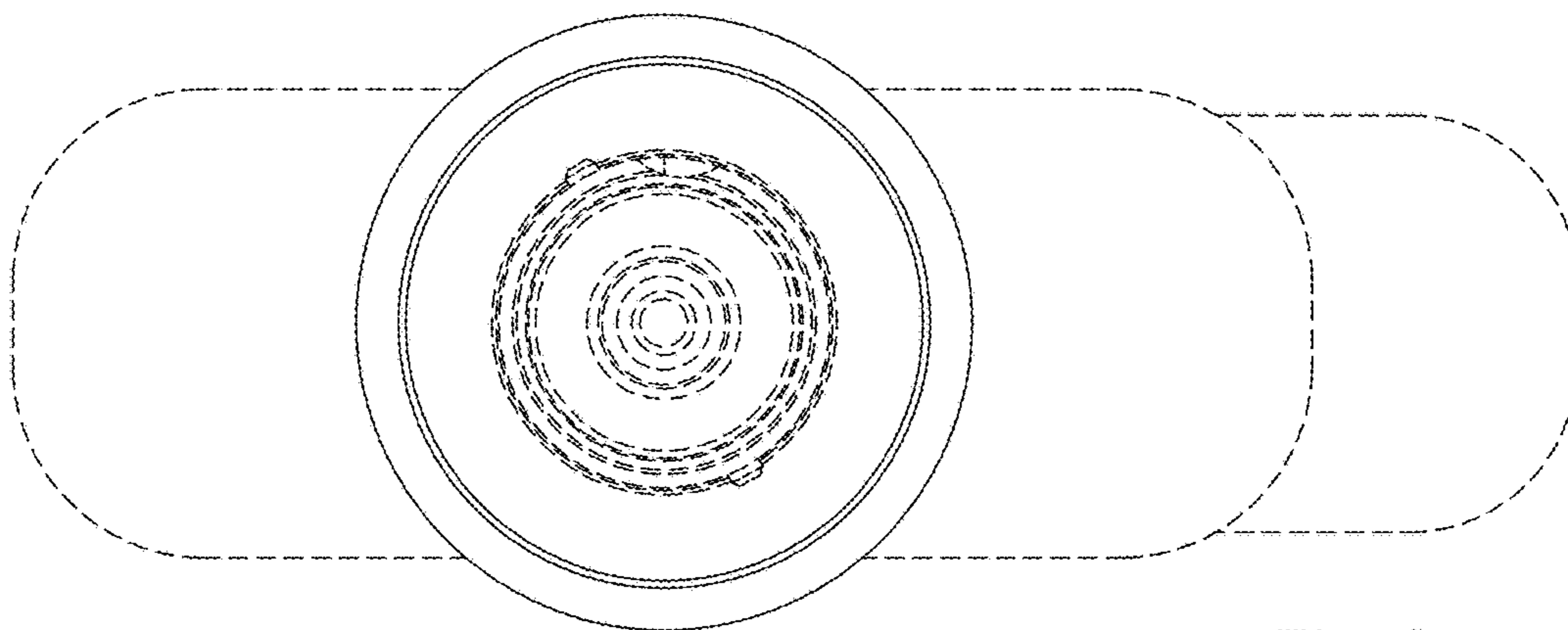


Fig-6