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(12) **United States Design Patent** (10) **Patent No.:** **US D886,280 S**
Lovmar (45) **Date of Patent:** **** Jun. 2, 2020**

- (54) **CATHETER**
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- (**) Term: **15 Years**
- (21) Appl. No.: **29/698,848**
- (22) Filed: **Jul. 19, 2019**

5,102,401 A 4/1992 Lambert et al.
 D373,827 S * 9/1996 Polaniec D24/112
 5,632,732 A 5/1997 Szabo et al.
 D384,418 S * 9/1997 Torti D24/222
 5,735,554 A 4/1998 Ingram
 (Continued)

FOREIGN PATENT DOCUMENTS

DK 1999 00260-0001 3/2000
 DK 1999 01106-0001 3/2000
 (Continued)

OTHER PUBLICATIONS

Extended European Search Report for European Patent Application No. 15198588.4, dated Sep. 27, 2016 (12 pages).
 (Continued)

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(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a catheter showing my new design;
 FIG. 2 is a rear elevation view thereof;
 FIG. 3 is a left side view thereof;
 FIG. 4 is a right side view thereof;
 FIG. 5 is a front elevation view thereof;
 FIG. 6 is a top plan view thereof; and,
 FIG. 7 is a bottom plan view thereof.
 The broken lines immediately adjacent the claimed areas represent the bounds of the claim, and all other broken lines are included for the purpose of illustrating portions of the design that form no part of the claimed design. None of the broken lines form part of the claimed design.

1 Claim, 2 Drawing Sheets

Related U.S. Application Data

- (62) Division of application No. 29/678,285, filed on Jan. 28, 2019, which is a division of application No. 29/567,340, filed on Jun. 8, 2016, now Pat. No. Des. 842,984.

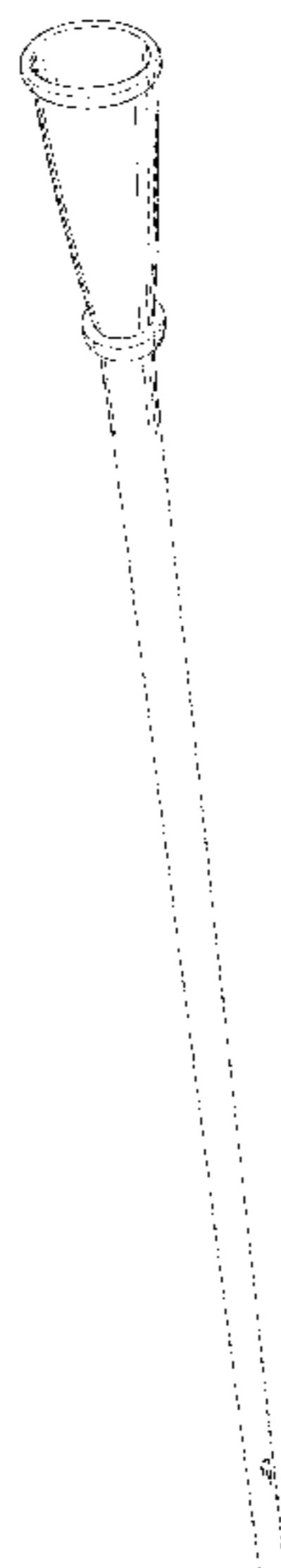
Foreign Application Priority Data

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- (51) **LOC (12) Cl.** **24-02**
- (52) **U.S. Cl.**
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- (58) **Field of Classification Search**
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CPC A61K 2300/00; A61K 45/06; C08L 89/06;
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See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

2,686,337 A 8/1954 Kaufman
 3,888,235 A 6/1975 May et al.
 D297,054 S 8/1988 Williams



(56)

References Cited

U.S. PATENT DOCUMENTS

5,919,170 A 7/1999 Woessner
D454,394 S 3/2002 Jansen
D468,439 S * 1/2003 On D24/222
6,589,212 B1 7/2003 Navis
D496,724 S * 9/2004 Myers D24/108
D497,509 S 10/2004 Nelson
D561,347 S * 2/2008 Tajima D24/222
D582,552 S * 12/2008 Berberich D24/133
D590,945 S 4/2009 Berberich
D594,119 S 6/2009 Berberich et al.
D608,001 S 1/2010 Reardon et al.
D630,734 S * 1/2011 Speiser D24/133
8,168,249 B2 5/2012 Utas et al.
D665,076 S 8/2012 Sauer et al.
D700,318 S 2/2014 Amoah et al.
8,777,889 B2 7/2014 Joshi et al.
8,831,707 B2 9/2014 Tekulve et al.
D724,200 S 3/2015 Brannon
D726,907 S 4/2015 Trump
D728,098 S * 4/2015 Schad D24/146
D728,099 S * 4/2015 Schad D24/146
D731,075 S * 6/2015 Staton D24/222
D737,973 S * 9/2015 Nagele D24/146
D748,777 S 2/2016 Uenishi et al.
D800,583 S 10/2017 Ahong et al.
D841,182 S * 2/2019 Mizutani D24/222
D842,984 S 3/2019 Lovmar
2001/0013673 A1 8/2001 Siferd et al.
2003/0004530 A1 1/2003 Reo
2007/0087148 A1 4/2007 Okushi et al.
2009/0143767 A1 6/2009 Fentress et al.
2010/0331780 A1 12/2010 Bellisario et al.
2011/0093088 A1 4/2011 Chen et al.
2011/0112511 A1 5/2011 Singer
2011/0306998 A1 12/2011 Livneh
2012/0095404 A1 4/2012 Massengale et al.
2012/0191073 A1 7/2012 Utas et al.
2012/0203261 A1 8/2012 Au et al.
2012/0232572 A1 9/2012 Burghardt et al.

2012/0238968 A1 9/2012 Toy et al.
2012/0253297 A1 10/2012 Matsuzawa
2013/0116662 A1 5/2013 Schmid et al.
2014/0039418 A1 2/2014 Rioux et al.
2014/0094773 A1 4/2014 Lampropoulos et al.
2014/0243869 A1 * 8/2014 Johnson A61B 17/34
606/185
2014/0277052 A1 9/2014 Haselby et al.
2015/0051583 A1 2/2015 Horvath et al.
2015/0119822 A1 4/2015 Shon et al.
2015/0190570 A1 7/2015 Teoh
2018/0104447 A1 4/2018 Madlung et al.
2019/0262579 A1 8/2019 Lovmar

FOREIGN PATENT DOCUMENTS

EM 000777685-0001 10/2007
EM 001700857-0001 4/2010
EM 001872797-0001 6/2011
EM 002216143-0004 4/2013
EM 002252627-0006 9/2013
EP 0700771 3/1996
EP 0799069 5/2003
FR 995438-0001 12/1999
FR 995438-0002 12/1999
FR 981275-0002 3/2001
FR 981275-0003 3/2001
GB 606735 8/1948
GB 744327 2/1956
IT 1995MI0000224-000 10/1994
SE 66392-0001 1/2001
SE 66393-0001 1/2001
WO 2010002914 1/2010
WO 2011036162 3/2011

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Patent Application No. PCT/EP2016/080383, dated May 23, 2017 (14 pages).

* cited by examiner

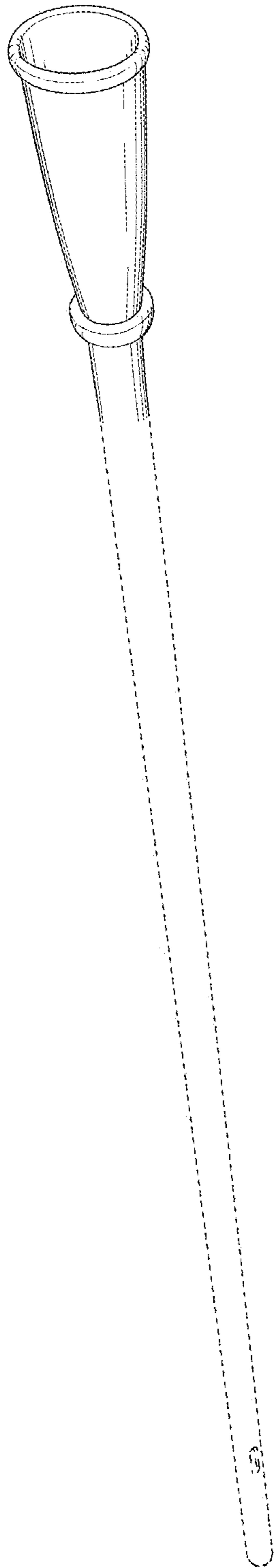


Fig. 1

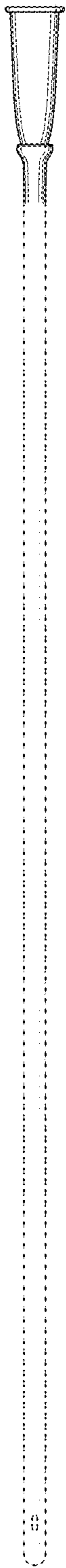


Fig. 2



Fig. 3

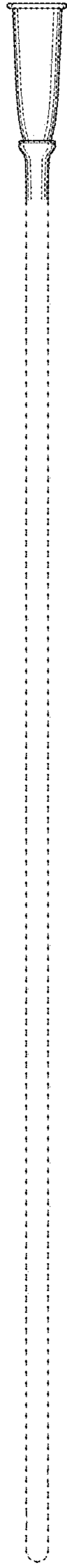


Fig. 4

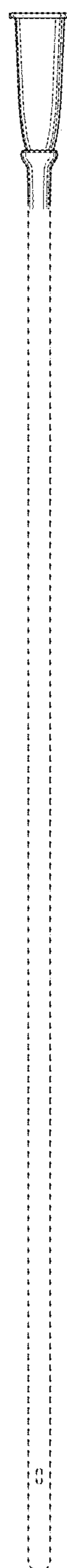


Fig. 5

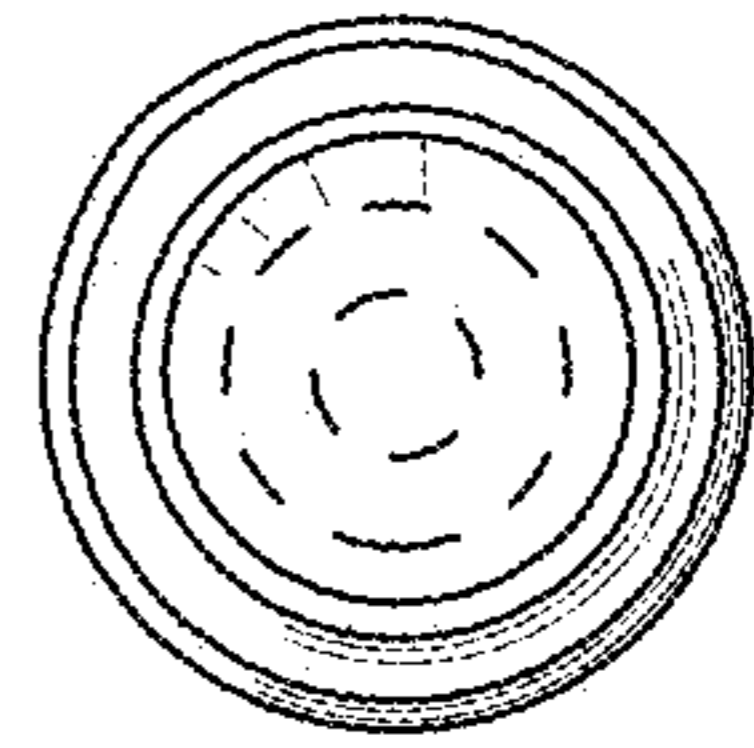


Fig. 6

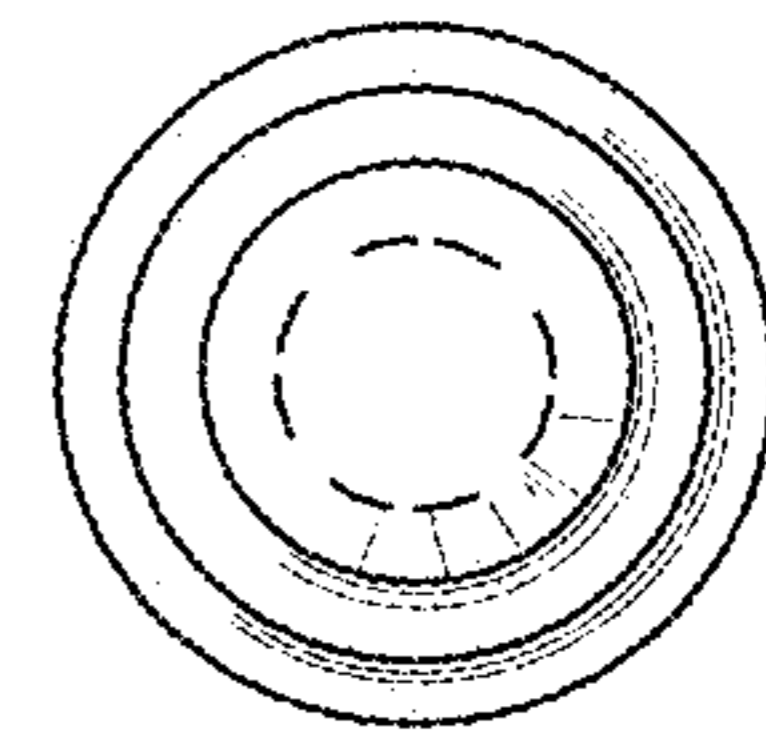


Fig. 7