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[Continued on next page]

(54) Title: CATHETER

(57) Abstract: A catheter including a tube (12) with a coupling assembly (30) at one end. The coupling assembly (30) has an interior volume within which a ball (24) is captured between a seat (22) and a retainer (26). When fluid flows through the catheter in a first direction the fluid flows around the ball (24) and exits through a port (20). When fluid starts to back-flow in a second direction the ball (24) seals against the seat (22) preventing flow in the second direction.

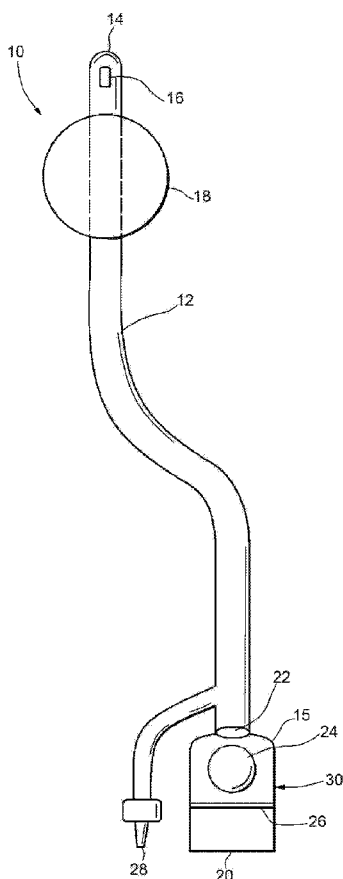


FIG. 1



PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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A. CLASSIFICATION OF SUBJECT MATTER		
<i>A61M 39/24 (2006.01)</i> <i>A61M 39/22 (2006.01)</i> <i>A61M 25/04 (2006.01)</i> <i>A61M 25/10 (2013.01)</i>		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
A61M 39/24, 39/22, 25/04, 25/10		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
PatSearch (RUPTO internal), Espacenet, PAJ, USPTO, Information Retrieval System of FIPS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2014/172003 A1 (GORE & ASS et al.) 19.06.2014, claims 1, 3, paragraphs [0003] - [0006], [0020], [0026], [0027], [0029], [0030], [0033], [0043], [0047]	1-4
Y	RU 68897 U1 (KAZITOV TIMUR BORISOVICH) 10.12.2007, p. 1-2, drawings 1-8	1-4
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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Name and mailing address of the ISA/RU: Federal Institute of Industrial Property, Berezhkovskaya nab., 30-1, Moscow, G-59, GSP-3, Russia, 125993 Facsimile No: (8-495) 531-63-18, (8-499) 243-33-37	Authorized officer A. Sukhikh Telephone No. (495)531-64-81	