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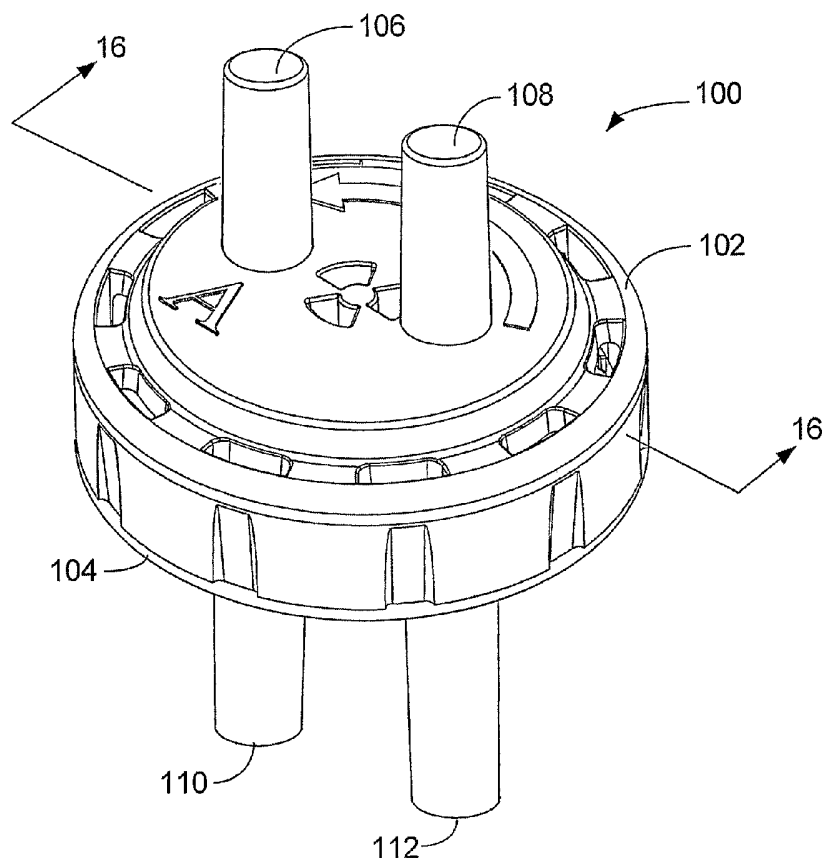
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[Continued on next page]

(54) Title: BLOOD FLOW REVERSAL VALVES AND RELATED SYSTEMS AND METHODS



(57) Abstract: A blood flow reversal valve (100) useful in hemodialysis having rotational detent features enabling audible and tactile feedback to a clinician and alignment features such as visible indicators associated with blood lines (206, 208, 212, 214) on either side of the valve to confirm normal or reverse flow.



NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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- *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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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/35988

A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61M 37/00(2006.01),5/00(2006.01);F16K 11/074(2006.01),31/12,11/02

USPC: 604/6.1,32,4.01,248;137/625.46,251.1,265.31,625.15

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)

U.S. : Please See Continuation Sheet

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,135,026 A (MANSKA) 04 AUGUST 1992, SEE ENTIRE DOCUMENT.	3-6, 12, 13, 33-38
X	US 5,894,011 A (PROSL et al.) 13 APRIL 1999, SEE ENTIRE DOCUMENT.	1, 2, 7-11, 14-32

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"Y"

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Continuation of B. FIELDS SEARCHED Item 1:

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