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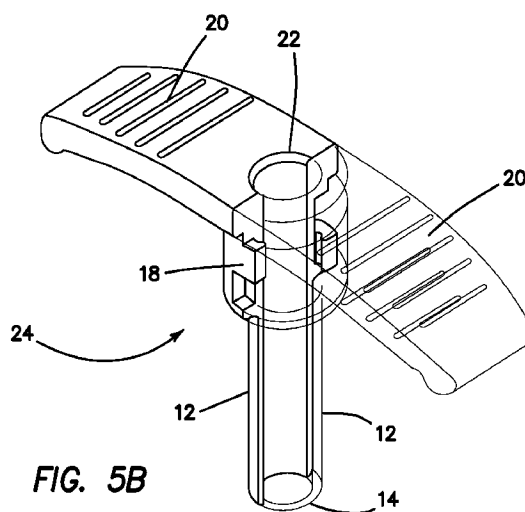
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(54) **Title:** A UNIVERSAL TRANSVALVULAR INSERTION TOOL FOR USE WITH HEMOSTATIC CARDIAC INTRODUCERS AND METHOD OF USING THE SAME



(57) **Abstract:** The invention includes a universal transvalvular insertion tool for providing a passage through a multiplicity of differently designed hemostatically valved introducers, each having a valve within a valved body coupled to a cardiac introducer. The tool includes a longitudinally rigid sheath having a lumen and for insertion through the valve of any one of the multiplicity of differently designed hemostatically valved introducers to provide a substantially obstruction free path for delivery of a lead or vascular device through the valve and valved body to the introducer, the sheath having a length selected to extend through the valve without substantial deformation of the lumen of the sheath. A mechanism is provided for separating the rigid sheath to allow removal from the lead or device without removal of the transvalvular insertion tool over either end of the lead or vascular device.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 2013/038074

A. CLASSIFICATION OF SUBJECT MATTER

*A61B 17/34 (2006.01)**A61M 25/06 (2006.01)*

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)

A61B 17/00, 17/34, A61M 25/00, 25/01, 25/06, 39/00, 39/06

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5188605 A (CORDIS CORPORATION) 23.02.1993, fig.1-3, col.1, lines 5-12, col.2, line29- col.3 line 8, col.3, line 22-col.4, line 60, claims	1, 4, 6, 30, 31
Y		7
A		2-3, 5, 8-29, 32
Y	US 2009/0177163 A1 (C.R. BARD, INC.) 09.07.2009, fig.22-28, paragraphs [0054]-[0076]	7
A	US 2004/0267202 A1 (DANIEL J. POTTER) 30.12.2004, fig.1-12, abstract	1-32
A	WO 2009/094089 A1 (PRESSURE PRODUCTS MEDICAL SUPPLIES, INC.) 30.07.2009, fig. 5-12	1-32



Further documents are listed in the continuation of Box C.



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“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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“&” document member of the same patent family

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