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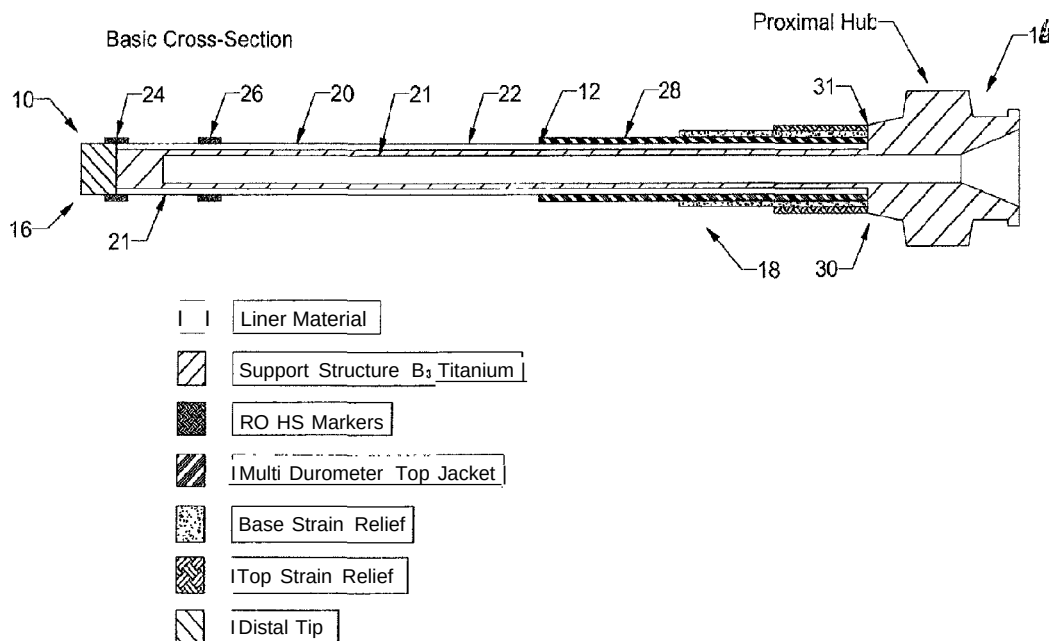


Fig. 1

(57) Abstract: Embodiments of the invention include a catheter, comprising: a lumen having a distal end and a proximal end; one or more marker bands circumferentially arranged around the lumen; a support structure extending from the proximal end of the lumen to the most distal marker band; and a top jacket positioned annularly with respect to the lumen, comprising five durometers of material, wherein the support structure and top jacket alternate along the length of the catheter.

WO 2008/098176 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/TJS2008/053433**A. CLASSIFICATION OF SUBJECT MATTER*****A61M 25/00(2006.01)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)

IPC 8 A61M 25/00

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)

eKIPASS, WPI, USPTO, PAJ "catheter, multidurometer, balloon, etc "

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	WO 2007-013545 A1 (KANEKA CORPORATION, JP) 01 Feb 2007	1, 4, 6-8, 11-13, 20-22
Y	See figs 7, 8 and 9, claims 1-3, and page 19 paragraphs 64 and 65	2, 3, 5, 9, 10
X	KR 10-2003-0020923 A (COOK INCORPORATED, US) 10 Mar 2003	14-19
Y	See fig 5, page 3 line 60-page 4 line 5, page 5 lines 1-9 and line 37, and claim 5	2, 3, 5, 9, 10
Y	KR 10-2002-0026598 A (NEURON THERAPEUTICS, INC, US) 10 Apr 2002	2, 3, 5, 9, 10
	See figs 7a-7d, page 7 lines 46-63, and page 9 lines 1-29	
A	US 2002-0035331 A1 (BRIAN P BROCKWAY et al, US) 21 Mar 2002	1-22
	See fig 5, page 6 and paragraph 56	



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