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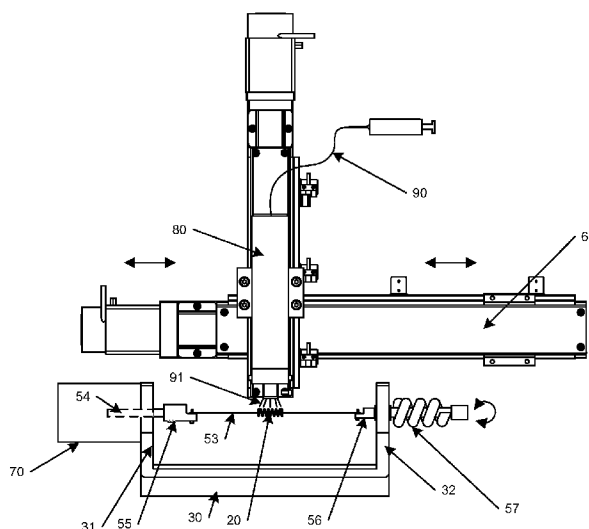


Fig. 1

(57) Abstract: The present invention is directed towards the holding of medical devices during manufacture to enable the application of therapeutic and/or protective coatings. More specifically, the present invention provides medical device holders that securely retain stents and other medical devices during the application of a coating while minimizing compressive and tensile forces applied to the stents. The invention avoids disruptions to coating quality due to holder blockage during coating deposition. The invention discloses an improved device containing a mandrel and frame that may improve coating uniformity by eliminating shadowing from the frame of the medical device holder when applying coatings to stents and other medical devices.

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INTERNATIONAL SEARCH REPORT

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PCT/US2008/078447**A. CLASSIFICATION OF SUBJECT MATTER*****B05D 7/00(2006.01)i, B05D 1/00(2006.01)i, B05B 17/00(2006.01)i***

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B. FIELDS SEARCHED

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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(KIPO internal) "apparatus, holding, medical device, stent, coating, spray, shadowing, frame, rotatable, mandrel, shaft, drive portion, support retainer, support tensioner"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 06682771 B2 (SciMed Life systems, Inc.) 27 Jan. 2004 See abstract, columns 1~9, and claims 1~16.	1~24
A	US 06517889 B1 (Swaminathan Jayaraman) 11 Feb. 2003 See abstract, columns 1~8, and claims 1~20.	1~24
A	US 06743463 B2 (SciMed Life systems, Inc.) 01 Jun. 2004 See abstract, columns 1~13, and claims 1~20.	1~24
A	US 06821549 B2 (Vascular Concept Holdings Ltd.) 23 Nov. 2004 See abstract, columns 1~9, and claims 1~44.	1~24



Further documents are listed in the continuation of Box C.



See patent family annex.

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Information on patent family members

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