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(71) Applicant: EDWARDS LIFESCIENCES CORPORATION [US/US]; One Edwards Way, Legal Department, Irvine, CA 92614 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DUHAY, Francis, G. [US/US]; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, CA 92614 (US). ZOLLINGER, David, L. [US/US]; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, CA 92614 (US).

(74) Agents: KAISER, Annemarie et al.; Edwards Lifesciences, One Edwards Way, Irvine, CA 92614 (US).

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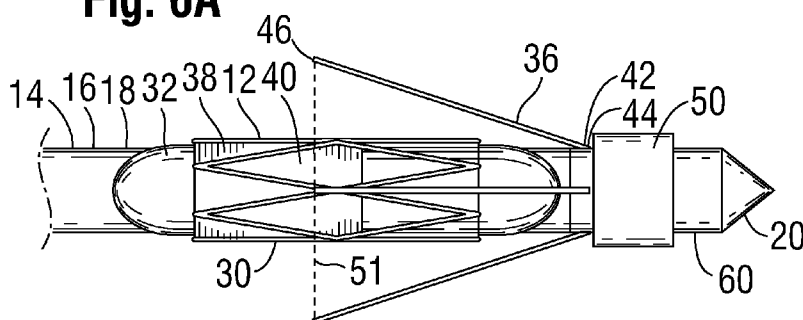
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(54) Title: DEVICES, SYSTEMS AND METHODS FOR ACCURATE POSITIONING OF A PROSTHETIC VALVE

Fig. 6A



(57) Abstract: The invention is a system and method for accurately positioning a prosthetic valve such as a prosthetic heart valve at a desired position for deployment. The invention includes extendable positioning elements which provide tactile feedback to a user to confirm proper positioning of the catheter with respect to the native valve annulus. During delivery, the extendable positioning elements lie against the catheter, over the prosthetic valve and expandable balloon, providing a low profile for advancing the catheter to the desired treatment location via small passages such as body lumens. Prior to valve deployment, the positioning elements are extended and brought into contact with tissue of the native annulus to confirm the proper positioning of the delivery system and prosthetic valve.



A. CLASSIFICATION OF SUBJECT MATTER*A61M 25/10(2006.01)i, A61M 25/088(2006.01)i, A61F 2/24(2006.01)i, A61F 2/76(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)

A61M 25/10; A61F 2/24; A61F 2/06; A61F 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: catheter, prosthetic valve, positioner, extendable, deliver

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2010-0249916 A1 (ZHANG) 30 September 2010 See the abstract; claims 1, 5 and 19; paragraphs [0035],[0171]-[0172], [0176],[0178],[0212]-[0246]; and figs. 8A-9A and 24A-24H.	1-2,5-12,15,21,24-26 3-4,13-14,16-20,22-23
A	US 2008-0071362 A1 (TUVAL et al.) 20 March 2008 See paragraphs [0622]-[0625] and [0642]-[0647]; and fig. 6B.	1-26
A	US 2006-0149360 A1 (SCHWAMMENTHAL et al.) 06 July 2006 See claim 1; paragraphs [0077]-[0083]; and figs. 15A-15H.	1-26
A	US 7399315 B2 (IOBBI) 15 July 2008 See column 8, line 23 - column 9, line 63; and figs. 1 and 2A-3C.	1-26



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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Korean Intellectual Property Office
189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

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Authorized officer

LEE, Cheol Soo

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Information on patent family members

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