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Percutaneous Heart Valve Delivery System

Tech ID: 32738 / UC Case 2013-012-3

BRIEF DESCRIPTION

See patent information below. Embodiments described herein address the need for improved catheter devices for delivery, repositioning and/or percutaneous retrieval of the percutaneously implanted heart valves. One embodiment employs a plurality of spring-loaded arms releasably engaged with a stent frame for controlling expansion for valve deployment. Another embodiment employs a plurality of filaments passing through a distal end of a pusher sleeve and apertures in a self-expandable stent frame to control its state of deployment. With additional features, lateral positioning of the stent frame may also be controlled. Yet another embodiment includes plurality of outwardly biased arms held to complimentary stent frame features by overlying sheath segments. Still another embodiment integrates a visualization system in the subject delivery system. Variations on hardware and methods associated with the use of these embodiments are contemplated in addition to those shown and described.

FULL DESCRIPTION

SUGGESTED USES

ADVANTAGES

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	9,668,859	06/06/2017	2013-012

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OTHER INFORMATION

CATEGORIZED AS

- » Medical
- » Devices

RELATED CASES

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