

Title (en)

CATHETER APPARATUS HAVING AN IMPROVED SHAPE-MEMORY ALLOY CUFF AND INFLATABLE ON-DEMAND BALLOON FOR CREATING A BYPASS GRAFT IN VIVO

Title (de)

KATHETER MIT EINER HÜLSE AUS FORMGEDÄCHTNISLEGIERUNG UND EINEM BEI BEDARF AUFBLASBAREM BALLON ALS INVIVO BYPASS-IMPLANTAT

Title (fr)

CATHETER POSSEDANT UNE COIFFE EN ALLIAGE A MEMOIRE DE FORME ET UN BALLONNET GONFLABLE A LA DEMANDE, AUX FINS DE CREATION (IN VIVO) D'UN PONTAGE

Publication

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Application

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Abstract (en)

[origin: WO9952481A1] The present invention provides a catheter apparatus (1), an improved introducer system (80), a methodology for creating a bypass on-demand between an unobstructed blood vessel such as the aorta, an obstructed blood vessel, and an obstructed coronary artery in vivo using a prepared shape-memory alloy cuff (300), and a graft segment (460) in tandem as a shunt. The apparatus (1) allows the placement, and creation of single or multiple bypass grafts without use of a heart/lung machine, and without need for stopping the heart of the patient during the coronary artery bypass surgery.

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