

Title (en)  
TRANSCATHETER VALVE LEAFLET REPLACEMENT DEVICE, DELIVERY, GUIDING AND FIXATION SYSTEM AND METHOD FOR SAME

Title (de)  
TRANSKATHETER-KLAPPENSEGELERSATZVORRICHTUNG, FREISETZUNGS-, FÜHRUNGS- UND BEFESTIGUNGSSYSTEM UND VERFAHREN DAFÜR

Title (fr)  
DISPOSITIF DE REMPLACEMENT DE FEUILLET VALVULAIRE TRANSCATHÉTER, SYSTÈME DE DISTRIBUTION, DE GUIDAGE ET DE FIXATION ET PROCÉDÉ ASSOCIÉS

Publication  
**EP 4117584 A1 20230118 (EN)**

Application  
**EP 21768408 A 20210310**

Priority  
• US 202062988253 P 20200311  
• US 2021021764 W 20210310

Abstract (en)  
[origin: WO2021183679A1] A transcatheter heart valve leaflet replacement system includes a valve prosthesis and a multi-stage, multi-lumen (MSML) heart valve delivery and implantation system for guiding and implanting the prosthesis to a native annulus. The prosthesis includes a stent frame including an upper atrial flared portion and a lower ventricular portion, a plurality of prosthetic leaflets, and at least one lining skirt. The prosthesis is configurable or otherwise sizable to fit in the MSML delivery and implantation system and to subsequently be selectively expanded to an operative size and position once deployed within the annulus. A portion of the prosthesis can be configured to couple with dual guiding and fixation (DGF) members to guide and fix the prosthesis to the annulus. In one aspect, the MSML delivery and implantation system includes a main docking system, a DGF member delivery system, and a valve housing, positioning, and locking system.

IPC 8 full level  
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