

Title (en)  
PROSTHETIC HEM I HEART VALVE

Title (de)  
PROTHETISCHE HEM I HERZKLAPPE

Title (fr)  
HEMI-VALVULE CARDIAQUE PROTHÉTIQUE

Publication  
**EP 4132427 A4 20240501 (EN)**

Application  
**EP 21784839 A 20210409**

Priority  
• US 202063007418 P 20200409  
• US 2021026710 W 20210409

Abstract (en)  
[origin: WO2021207695A1] A prosthetic hemi heart valve for treatment of a diseased heart valve having native anterior and prosthetic posterior leaflets includes a sting-ray and crescent shaped stent with an extended tab configured to be a safety mechanism. At least one prosthetic leaflet mounted on an inner surface of the stent comprises a free edge, two commissure attachment regions, an attachment edge, a coaptation region, a belly region, and at least one leg structure coupling a portion of the leaflet(s) to a lower ventricular portion of the stent. A sealing skirt coupled to the inner surface of the stent to mount the leaflet(s) and create a paravalvular seal on the atrial portion of the prosthetic hemi valve. The prosthetic hemi heart valve further having a plurality of dual guiding and fixation members for anchoring the atrial flared portion of the stent to a posterior portion of the native valve annulus.

IPC 8 full level  
**A61F 2/24** (2006.01)

CPC (source: EP)  
**A61F 2/2412** (2013.01); **A61F 2/2418** (2013.01)

Citation (search report)  
• [Y] WO 2019241777 A1 20191219 - DURA LLC [US], et al  
• [Y] WO 2015052570 A1 20150416 - UNIV WIEN MED [AT], et al  
• See references of WO 2021207695A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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