

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)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2021207695 A1 20211014; CN 115867230 A 20230328; EP 4132427 A1 20230215; EP 4132427 A4 20240501; JP 2023521684 A 20230525

DOCDB simple family (application)
US 2021026710 W 20210409; CN 202180036654 A 20210409; EP 21784839 A 20210409; JP 2022560890 A 20210409