

Title (en)
ASSEMBLY FOR A CLOSURE DEVICE WHICH IS IMPLANTABLE IN THE SUPERIOR OR INFERIOR VENA CAVA OF A HUMAN BODY IN A MINIMALLY INVASIVE MANNER, AND TRICUSPID VALVE PROSTHESIS WHICH IS IMPLANTABLE IN A MINIMALLY INVASIVE MANNER

Title (de)
ANORDNUNG FÜR EINE IN DIE OBERE ODER DIE UNTERE HOHLVENE EINES MENSCHLICHEN KÖRPERS MINIMAL-INVASIV IMPLANTIERBARE VERSCHLUSSEINRICHTUNG UND MINIMAL-INVASIV IMPLANTIERBARE TRIKUSPIDALKLAPPEN-PROTHESE

Title (fr)
ENSEMBLE POUR DISPOSITIF DE FERMETURE IMPLANTABLE DANS LA VEINE CAVE SUPÉRIEURE OU INFÉRIEURE D'UN CORPS HUMAIN DE MANIÈRE MINIMALEMENT INVASIVE, ET PROTHÈSE DE VALVULE TRICUSPIDE POUVANT ÊTRE IMPLANTÉE DE MANIÈRE MINIMALEMENT INVASIVE

Publication
EP 4153093 A1 20230329 (DE)

Application
EP 21731899 A 20210518

Priority
• DE 102020113585 A 20200519
• DE 2021100441 W 20210518

Abstract (en)
[origin: CA3178779A1] The invention relates to an arrangement of a minimally-invasive implantable closing device (1) in the superior or inferior vena cava of a human body, with a valve device (6) and an anchoring device (7). The valve device (6) has closing elements and a support structure. The closing elements extend flat over a respective joint surface and in each case can be moved between a closed position, in which the closing elements together close a valve opening, and an open position, in which a flow is released through the valve opening. The support structure is arranged in the area of the valve opening and is formed with support elements and at least one indentation, wherein the closing elements in the closed position rest at least partially on the support elements and in the open position, they are separated at least partially from the support elements and thus release the indentation to allow flow. The anchoring device (7) has an anchor and is set up to anchor the valve device (6) in the area of the superior or inferior vena cava adjacent to the vein opening in the right chamber of the heart. Further, a minimally-invasive implantable tricuspid valve prosthesis is provided. (Fig. 1)

IPC 8 full level
A61F 2/24 (2006.01)

CPC (source: EP US)
A61F 2/2403 (2013.01 - US); **A61F 2/2406** (2013.01 - EP); **A61F 2/2412** (2013.01 - US); **A61F 2/2418** (2013.01 - EP);
A61F 2/2475 (2013.01 - EP)

Citation (search report)
See references of WO 2021233502A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020113585 A1 20211125; CA 3178779 A1 20211125; CN 115666448 A 20230131; EP 4153093 A1 20230329;
JP 2023526079 A 20230620; US 2023181315 A1 20230615; WO 2021233502 A1 20211125

DOCDB simple family (application)
DE 102020113585 A 20200519; CA 3178779 A 20210518; CN 202180036010 A 20210518; DE 2021100441 W 20210518;
EP 21731899 A 20210518; JP 2022570319 A 20210518; US 202117926211 A 20210518