

Title (en)

A NATURALLY DESIGNED MITRAL PROSTHESIS

Title (de)

NATÜRLICH AUSGEBILDETE MITRALKLAPPENPROTHESE

Title (fr)

PROTHÈSE MITRALE DE CONCEPTION NATURELLE

Publication

EP 3955856 A4 20230111 (EN)

Application

EP 20791870 A 20200415

Priority

- SG 10201903404Q A 20190416
- SG 2020050237 W 20200415

Abstract (en)

[origin: WO2020214096A1] A mitral valve prosthesis to be implanted in a heart, comprises an asymmetrical ring, the asymmetrical ring is dimensioned to mimic a native mitral annulus of a patient and is constructed from a flexible material rolled onto itself towards an outer side of the valve; an anterior flexible leaflet and a posterior flexible leaflet, said leaflets suspended from the asymmetrical ring and configured to substantially coapt with each other; and at least two sets of cords, each set of cords attached to the anterior or posterior leaflet on a first end and attached into a cap on a second end, the cap is configured to be attached onto papillary muscles of the heart on another end of the cap.

IPC 8 full level

A61F 2/24 (2006.01)

CPC (source: EP KR)

A61F 2/2412 (2013.01 - EP KR); **A61F 2/2415** (2013.01 - EP KR); **A61F 2/2457** (2013.01 - EP KR); **A61F 2220/0008** (2013.01 - KR); **A61F 2240/002** (2013.01 - EP KR); **A61F 2250/0098** (2013.01 - EP KR)

Citation (search report)

- [XI] EP 0957829 A1 19991124 - PEREDO MARIO O V [BR]
- [IA] US 2018289484 A1 20181011 - KOFIDIS THEODOROS [SG]
- [A] US 2002173843 A1 20021121 - PEREDO MARIO OSVALDO VRANDECIC [BR]
- See references of WO 2020214096A1

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 2020214096 A1 20201022; AU 2020258258 A1 20211111; CN 113924064 A 20220111; EP 3955856 A1 20220223; EP 3955856 A4 20230111; JP 2022529472 A 20220622; KR 20210153661 A 20211217; SG 10201903404Q A 20201127; SG 11202111358Y A 20211129

DOCDB simple family (application)

SG 2020050237 W 20200415; AU 2020258258 A 20200415; CN 202080041766 A 20200415; EP 20791870 A 20200415; JP 2021561919 A 20200415; KR 20217037164 A 20200415; SG 10201903404Q A 20190416; SG 11202111358Y A 20200415