

Title (en)
ARTIFICIAL HEART DESIGN

Title (de)
ENTWURF EINES KÜNSTLICHEN HERZENS

Title (fr)
CONCEPTION DE COEUR ARTIFICIEL

Publication
EP 1037680 A4 20010221 (EN)

Application
EP 98957921 A 19981113

Priority
• US 9824242 W 19981113
• US 6540397 P 19971113

Abstract (en)
[origin: WO9925274A1] An artificial heart design including a plurality of chambers defined by a flexible material (5) and at least one piezoelectric device (3). The piezoelectric device is activated to cause the flexible material to move between a constricted and unconstricted position. Accordingly, this results in a change in volume for the chamber causing blood to be forced from or into the chamber.

IPC 1-7
A61M 1/10; **A61M 16/00**

IPC 8 full level
A61M 60/196 (2021.01); **A61M 60/268** (2021.01); **A61M 60/424** (2021.01); **A61M 60/508** (2021.01); **A61M 60/837** (2021.01);
A61M 60/892 (2021.01)

CPC (source: EP US)
A61M 60/196 (2021.01 - EP US); **A61M 60/424** (2021.01 - EP US); **A61M 60/508** (2021.01 - EP US); **A61M 60/837** (2021.01 - EP US);
A61M 60/892 (2021.01 - EP US); **A61M 60/148** (2021.01 - EP US); **A61M 2205/0283** (2013.01 - EP)

Citation (search report)
• [X] FR 1501024 A 19671110
• [X] FR 1562754 A 19690411
• [X] EP 0134614 A1 19850320 - VITAFIN NV [NL]
• [X] EP 0025005 A1 19810311 - SCHALDACH MAX [DE]
• See references of WO 9925274A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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