

Title (en)  
ARTIFICIAL HEART DESIGN

Title (de)  
ENTWURF EINES KÜNSTLICHEN HERZENS

Title (fr)  
CONCEPTION DE COEUR ARTIFICIEL

Publication  
**EP 1037680 A1 20000927 (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**

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)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 9925274 A1 19990527**; AU 1406399 A 19990607; EP 1037680 A1 20000927; EP 1037680 A4 20010221

DOCDB simple family (application)  
**US 9824242 W 19981113**; AU 1406399 A 19981113; EP 98957921 A 19981113