

Title (en)
IMPLANTABLE BIVENTRICULAR CIRCULATORY SUPPORT SYSTEM.

Title (de)
IMPLANTIERBARES HERZUNTERSTÜTZUNGSSYSTEM FÜR BEIDE KAMMERN.

Title (fr)
SYSTEME DE SUPPORT CIRCULATOIRE BIVENTRICULAIARE IMPLANTABLE.

Publication
EP 0293421 A4 19890223 (EN)

Application
EP 87907894 A 19871112

Priority
US 93134086 A 19861114

Abstract (en)
[origin: WO8803394A1] A biventricular circulatory support system wherein a first pump (10) supports left ventricular circulation (systemic) and a second pump (110) for supporting right ventricular circulation (pulmonary). Both pumps are implanted in a patient, and each pump is enclosed in a sac (11, 111) defining a pumping chamber (13, 113). The sacs (11, 111) are connected by a conduit or tube (77) to provide a common volume (13, 113, 77), such that contraction of the first pump allows expansion of the second, and such that expansion of the first pump allows contraction of the second.

IPC 1-7
A61F 2/22

IPC 8 full level
A61M 1/00 (2006.01); **A61M 60/183** (2021.01); **A61M 60/268** (2021.01); **A61M 60/427** (2021.01); **A61M 60/459** (2021.01);
A61M 60/462 (2021.01); **A61M 60/837** (2021.01)

CPC (source: EP US)
A61M 60/183 (2021.01 - EP US); **A61M 60/427** (2021.01 - EP US); **A61M 60/459** (2021.01 - EP US); **A61M 60/462** (2021.01 - EP US);
A61M 60/837 (2021.01 - EP US); **A61M 60/148** (2021.01 - EP US); **A61M 60/869** (2021.01 - EP US)

Citation (search report)

- [X] EP 0146445 A2 19850626 - AEROSPATIALE [FR]
- [X] WO 8502339 A1 19850606 - STRIMLING WALTER W
- [X] DE 2337497 A1 19740418 - KURPANEK W H
- [X] FR 1501024 A 19671110
- [YD] WO 8402164 A1 19840607 - NOVACOR MEDICAL CORP [US]
- See references of WO 8803394A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8803394 A1 19880519; AU 8328487 A 19880601; BR 8707532 A 19890221; EP 0293421 A1 19881207; EP 0293421 A4 19890223;
JP H01501371 A 19890518

DOCDB simple family (application)
US 8702945 W 19871112; AU 8328487 A 19871112; BR 8707532 A 19871112; EP 87907894 A 19871112; JP 50017187 A 19871112