

Title (en)

DEVICE FOR TEMPORARILY CLOSING A CANAL IN A BODY, IN PARTICULAR FOR ASSISTING THE FUNCTION OF THE HEART BY APPLICATION OF COUNTER-PRESSURE

Title (de)

TEMPORÄRE ABDICHTUNGSVORRICHTUNG FÜR EIN GEFÄß DES MENSCHLICHEN KÖRPERS, INSBESONDERE GEEIGNET FÜR GEGENDRUCKHERZUNTERSTÜTZUNG

Title (fr)

DISPOSITIF D'OBTURATION TEMPORAIRE D'UN CANAL CORPOREL, NOTAMMENT UTILE A L'ASSISTANCE CARDIAQUE PAR CONTRE-PRESSION

Publication

EP 0821598 A1 19980204 (FR)

Application

EP 96915067 A 19960422

Priority

- FR 9600608 W 19960422
- FR 9504794 A 19950421

Abstract (en)

[origin: WO9632971A1] The present invention concerns a device for temporarily closing a canal in a body, in particular for assisting the function of the heart by application of counter-pressure. The device is characterized in that it comprises a first inflatable structure (1) which, in the inflated state, defines a sleeve shaped to match the internal surface of the canal, providing a central conduit (4). The device further comprises a second inflatable structure which expands radially, preferably from the exterior to the interior, is held by the first structure (1) and shaped such that, in the inflated state, it permits substantially complete closure of the central conduit (4) formed after inflation of the first structure. The device finally comprises means allowing each of these first and second inflatable structures to be in fluid communication with a fluid delivery source.

IPC 1-7

A61M 1/10; **A61M 29/02**; **A61M 25/00**; **A61M 25/10**

IPC 8 full level

A61F 2/958 (2013.01); **A61M 25/00** (2006.01); **A61M 29/02** (2006.01); **A61M 60/139** (2021.01); **A61M 60/295** (2021.01); **A61M 60/497** (2021.01); **A61M 60/569** (2021.01); **A61M 60/841** (2021.01); **A61M 60/843** (2021.01); **A61F 2/00** (2006.01)

CPC (source: EP US)

A61M 25/0075 (2013.01 - EP US); **A61M 25/1002** (2013.01 - EP US); **A61M 29/02** (2013.01 - EP US); **A61M 60/139** (2021.01 - EP US); **A61M 60/295** (2021.01 - EP US); **A61M 60/497** (2021.01 - EP US); **A61M 60/569** (2021.01 - EP US); **A61M 60/841** (2021.01 - EP US); **A61M 60/843** (2021.01 - EP US); **A61F 2/0013** (2013.01 - EP US); **A61F 2/0027** (2013.01 - EP US); **A61M 60/148** (2021.01 - EP US); **A61M 60/274** (2021.01 - EP US); **A61M 2025/1052** (2013.01 - EP US)

Citation (search report)

See references of WO 9632971A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9632971 A1 19961024; CA 2215235 A1 19961024; EP 0821598 A1 19980204; FR 2733143 A1 19961025; FR 2733143 B1 19971107; JP H11503641 A 19990330; NO 974839 D0 19971020; NO 974839 L 19971020; US 5861010 A 19990119

DOCDB simple family (application)

FR 9600608 W 19960422; CA 2215235 A 19960422; EP 96915067 A 19960422; FR 9504794 A 19950421; JP 53153096 A 19960422; NO 974839 A 19971020; US 94548797 A 19971017