

Title (en)

AORTIC BALLOON CATHETER WITH IMPROVED POSITIONING AND BALLOON STABILITY

Title (de)

AORTALER BALLONKATHETER MIT VERBESSERTER POSITIONIERUNG UND BALLONSTABILITÄT

Title (fr)

CATHETER A BALLONNET INTRA-AORTIQUE DOTE DE CARACTERISTIQUES DE POSITIONNEMENT ET DE STABILITE AMELIOREES

Publication

EP 1255582 A1 20021113 (EN)

Application

EP 01905354 A 20010202

Priority

- US 0103395 W 20010202
- US 18023300 P 20000204

Abstract (en)

[origin: WO0156643A1] A multi-lumen aortic balloon catheter is disclosed. The catheter is designed to assist surgeons in more effectively performing cardiovascular surgery, particularly cardiopulmonary bypass (CPB) surgery. In one aspect the catheter is inserted into a femoral artery and threaded through the artery to the aortic arch where it is positioned so that the balloon is positioned in the ascending aorta. When inflated, the balloon (preferably a cylindrical design) blocks the aortic arch between the great arteries and the coronary ostia. A cardioplegia solution is delivered to the heart through an internal lumen in the catheter to slow the heart. Blood from a cardiopulmonary machine is transported through a blood flow lumen of the catheter to be delivered antegrade flow throughout the arteries. The catheter has a distal portion having fewer lumens than are present in a proximal portion. An alternative multilumen aortic balloon catheter is disclosed that is inserted through a patient's aorta.

IPC 1-7

A61M 25/10

IPC 8 full level

A61F 2/958 (2013.01); **A61M 60/13** (2021.01); **A61M 60/279** (2021.01); **A61M 60/35** (2021.01); **A61M 60/857** (2021.01); **A61M 60/861** (2021.01); **A61M 60/865** (2021.01); **A61M 25/00** (2006.01)

CPC (source: EP US)

A61M 25/0029 (2013.01 - EP US); **A61M 25/10** (2013.01 - EP); **A61M 60/13** (2021.01 - EP US); **A61M 60/279** (2021.01 - EP US); **A61M 60/35** (2021.01 - EP US); **A61M 60/861** (2021.01 - EP US); **A61M 60/865** (2021.01 - EP US); **A61M 25/0032** (2013.01 - EP); **A61M 60/274** (2021.01 - EP); **A61M 60/833** (2021.01 - EP US); **A61M 2025/0031** (2013.01 - EP); **A61M 2025/1052** (2013.01 - EP); **A61M 2205/32** (2013.01 - EP)

Citation (search report)

See references of WO 0156643A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0156643 A1 20010809; AU 3324401 A 20010814; EP 1255582 A1 20021113

DOCDB simple family (application)

US 0103395 W 20010202; AU 3324401 A 20010202; EP 01905354 A 20010202