Title (en)

EMBOLIC PROTECTION SYSTEM

Title (de)

EMBOLIESCHUTZSYSTEM

Title (fr)

SYSTÈME DE PROTECTION EMBOLIQUE

Publication

EP 3164087 A4 20180110 (EN)

Application

EP 14896951 A 20140703

Priority

- US 2014045428 W 20140703
- US 201414323204 A 20140703

Abstract (en)

[origin: WO2016003470A1] A collapsible blood filtering aortic arch bridge (18) including an expandable and collapsible chassis (46) structured to provide the bridge (18) with a dumbbell-like shape when expanded having a tubular waist (50), a first conical end (38), and a second conical end (42) formed such that only a periphery of the first and second ends (38, 42) contact the intima (34) of an aortic arch (26) when the bridge (18) is disposed within the aortic arch (26) of a patient. The bridge (18) additionally includes a blood filtering sleeve (172) disposed over an interior or an exterior of the chassis (46) that is structured and operable to filter blood flowing through the bridge into aortic arch vessels of the patient when the bridge (19) is disposed within the aortic arch (26). The bridge (18) further includes a retrieval mechanism (178) structured and operable to collapse the bridge (18) to a cylindrical form for retrieval of the bridge (18) from the aortic arch (26).

IPC 8 full level

A61F 2/01 (2006.01); A61B 17/22 (2006.01); A61M 25/01 (2006.01)

CPC (source: EP US)

A61F 2/01 (2013.01 - EP US); **A61F 2/011** (2020.05 - EP); **A61F 2/9517** (2020.05 - EP); A61F 2/90 (2013.01 - EP); A61F 2210/009 (2013.01 - EP); A61F 2230/001 (2013.01 - EP); A61F 2230/0067 (2013.01 - EP); A61F 2250/0017 (2013.01 - EP); A61F 2250/0039 (2013.01 - EP)

Citation (search report)

- [I] WO 0205729 A2 20020124 - MIND GUARD LTD [IL], et al
- [A] WO 2013169596 A1 20131114 - UNIV MISSOURI [US], et al
- [A] US 2002143387 A1 20021003 - SOETIKNO ROY M [US], et al
- See references of WO 2016003470A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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WO 2016003470 A1 20160107; EP 3164087 A1 20170510; EP 3164087 A4 20180110

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US 2014045428 W 20140703; EP 14896951 A 20140703