

Title (en)

MEDICAL DEVICE FOR TREATING ANEURYSMS

Title (de)

MEDIZINISCHE VORRICHTUNG ZUR BEHANDLUNG VON ANEURYSMEN

Title (fr)

DISPOSITIF MÉDICAL POUR TRAITER DES ANÉVRISMES

Publication

EP 4009921 A1 20220615 (DE)

Application

EP 20746584 A 20200721

Priority

- DE 102019121562 A 20190809
- EP 2020070501 W 20200721

Abstract (en)

[origin: WO2021028162A1] The invention relates to a medical device for treating aneurysms, in particular a stent, comprising a compressible and expandable grid structure (10) made up of grid elements (11, 12, 13, 14), which has at least one closed cell ring (34), which comprises at most 12, in particular at most 10, in particular at most 8, in particular at most 6 cells (30) directly adjacent to one another in a circumferential direction of the grid structure (10), wherein the grid structure (10) is provided at least in certain portions with a covering (40) made of an electrospun fabric which has pores (41) of irregular sizes, wherein the covering (40) comprises over a surface area of 100 000 μm^2 at least 10 pores (41) which have a size of at least 15 μm^2 , and wherein the covering (40) has a biocompatible, in particular antithrombogenic and/or endothelialization-promoting coating (45).

IPC 8 full level

A61F 2/90 (2013.01); **A61F 2/82** (2013.01)

CPC (source: EP US)

A61F 2/90 (2013.01 - EP US); **A61F 2002/823** (2013.01 - EP US); **A61F 2250/0017** (2013.01 - EP); **A61F 2250/0067** (2013.01 - EP US)

Citation (search report)

See references of WO 2021028162A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019121562 A1 20210211; **DE 102019121562 B4 20240111**; CN 114269297 A 20220401; EP 4009921 A1 20220615; US 2022273472 A1 20220901; WO 2021028162 A1 20210218

DOCDB simple family (application)

DE 102019121562 A 20190809; CN 202080056660 A 20200721; EP 2020070501 W 20200721; EP 20746584 A 20200721; US 202017632774 A 20200721