

Title (en)  
MEDICINAL PRODUCT FOR ENHANCED-EFFECT DRUG RELEASE

Title (de)  
MEDIZINPRODUKT ZUR ARZNEIMITTELABGABE MIT VERSTÄRKTER WIRKUNG

Title (fr)  
PRODUIT MÉDICINAL POUR LIBÉRATION DE MÉDICAMENT À EFFET AMÉLIORÉ

Publication  
**EP 4093452 A1 20221130 (DE)**

Application  
**EP 21701470 A 20210120**

Priority

- DE 102020101197 A 20200120
- EP 2021051156 W 20210120

Abstract (en)  
[origin: WO2021148445A1] The invention relates to a medicinal device for at least temporarily contacting diseased vessels, such as for example a stent or a balloon catheter, and to a method for coating such a device with a defined solution. According to the solution, a restenosis inhibitor with an active ingredient concentration of more than 4µg/mm<sup>2</sup> is present on an outer surface.

IPC 8 full level  
**A61L 31/16** (2006.01)

CPC (source: EP US)  
**A61F 2/958** (2013.01 - US); **A61L 31/16** (2013.01 - EP US); **A61L 2300/416** (2013.01 - EP US); **A61L 2300/606** (2013.01 - EP US)

Citation (examination)

- US 9415140 B2 20160816 - SPECK ULRICH [DE]
- US 8425459 B2 20130423 - WANG LIXIAO [US]
- US 2014188036 A1 20140703 - SPECK ULRICH [DE], et al
- US 2013046237 A1 20130221 - SPECK ULRICH [DE], et al
- KATSANOS K, SPILIOPOULOS S., KITROU P., KROKIDIS M., KARNABATIDIS D.: "Risk of death following application of paclitaxel-coated balloons and stents in the femoropopliteal artery of the leg: a systematic review and meta-analysis of randomized controlled trials.", J AM HEART ASSOC., vol. 2018, no. 7, E011245, 1 January 2018 (2018-01-01), Retrieved from the Internet <URL:https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6405619/pdf/JAH3-7-e011245.pdf> [retrieved on 20230317], DOI: 10.1161/JAHA.118.011245
- HAASE T ET AL.: "Drug-Coated Balloons: Drugs Beyond Paclitaxel?", FRONT. BIOSCI. (LANDMARK ED), vol. 27, no. 10, 10 October 2022 (2022-10-10), pages 283 - 291, DOI: 10.31083/j.fbl2710283
- FDA: "Paclitaxel-Coated Balloons and Stents for Peripheral Arterial Disease", 17 March 2023 (2023-03-17), pages 1 - 6, Retrieved from the Internet <URL:https://www.fda.gov/medical-devices/cardiovascular-devices/paclitaxel-coated-balloons-and-stents-peripheral-arterial-disease> [retrieved on 20230317]
- See also references of WO 2021148445A1

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

Designated validation state (EPC)  
KH MA MD TN

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**DE 102020101197 A1 20210722**; CN 115397481 A 20221125; EP 4093452 A1 20221130; JP 2023520837 A 20230522;  
US 2023065280 A1 20230302; WO 2021148445 A1 20210729

DOCDB simple family (application)  
**DE 102020101197 A 20200120**; CN 202180022822 A 20210120; EP 2021051156 W 20210120; EP 21701470 A 20210120;  
JP 2022543789 A 20210120; US 202117793778 A 20210120