

Title (en)

METHOD FOR COATING A MEDICAL DEVICE, ESPECIALLY A VASCULAR STENT

Title (de)

VERFAHREN ZUR BESCHICHTUNG EINER MEDIZINISCHEN VORRICHTUNG, INSBESONDERE EINES GEFÄSSSTENTS

Title (fr)

PROCÉDÉ DE REVÊTEMENT D'UN DISPOSITIF MÉDICAL, EN PARTICULIER D'UNE ENDOPROTHÈSE VASCULAIRE

Publication

EP 3496776 A1 20190619 (EN)

Application

EP 17758070 A 20170808

Priority

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Abstract (en)

[origin: WO2018029166A1] A method for producing desired morphology of a nanotubular matrix, in particular titanium dioxide containing matrix, is disclosed which reduces adhesion and activation of platelets on medical devices. Surfaces produced by the method of invention can be used for blood contacting devices, such as stents and artificial heart valves in order to reduce thrombus reactions on the implant material surface.

IPC 8 full level

A61L 31/08 (2006.01)

CPC (source: EP)

A61L 31/088 (2013.01); **A61L 2400/12** (2013.01)

Citation (examination)

WAN-YU TSENG ET AL: "Low Pressure Radio-Frequency Oxygen Plasma Induced Oxidation of Titanium – Surface Characteristics and Biological Effects", PLOS ONE, vol. 8, no. 12, 26 December 2013 (2013-12-26), pages e84898, XP055422429, DOI: 10.1371/journal.pone.0084898

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