

Title (en)

APPARATUS AND METHOD FOR MINIMIZING FLOW DISTURBANCES IN A STENTED REGION OF A LUMEN

Title (de)

GERÄT UND VERFAHREN ZUR MINIMIERUNG VON DURCHFLUSSSTÖRUNGEN IN EINEM GESTENTETEN BEREICH EINES LUMENS

Title (fr)

APPAREIL ET PROCÉDÉ PERMETTANT DE MINIMISER LES PERTURBATIONS DU DÉBIT DANS UNE ZONE D'UNE LUMIÈRE ÉQUIPÉE D'UNE ENDOPROTHÈSE

Publication

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Application

EP 07867742 A 20071212

Priority

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Abstract (en)

[origin: WO2008073496A2] A stent according to the present invention incorporates an intraluminal scaffold for initial relief of stenoses or for providing support within bodily lumens, such as blood vessels, of children and adults. The scaffold minimizes flow disturbances in a stented region of a bodily lumen by the use of a strut having a transitional lumen surface, thereby limiting the potential for the development of neointimal hyperplasia and subsequent restenosis, and lessening the potential for early and late thrombosis formation and dislodgement. Any stent for use in any application can be initially manufactured with the strut shape of the current invention. Alternatively, the shape of the struts of existing stents can be modified during a post-processing procedure after fabrication thereby making the invention applicable to all stent designs presently available.

IPC 8 full level

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Citation (search report)

- [XY] US 2006095123 A1 20060504 - FLANAGAN AIDEN [IE]
- [XY] US 6475233 B2 20021105 - TROZERA THOMAS [US]
- [XY] WO 03082150 A1 20031009 - MEDTRONIC AVE INC [US]
- See references of WO 2008073496A2

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DOCDB simple family (publication)

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