

Title (en)

BIOACTIVE STENTS FOR TYPE II DIABETICS AND METHODS FOR USE THEREOF

Title (de)

BIOAKTIVE STENTS FÜR TYP-II-DIABETIKER UND ANWENDUNGSVERFAHREN DAFÜR

Title (fr)

ENDOPROTHESES VASCULAIRES BIOACTIVES CONCUES POUR LE DIABETE TYPE II ET LEURS PROCEDES D'UTILISATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005097186A2] The present invention is based on the discovery that a vascular stent or other implantable medical device can be coated with a biodegradable biocompatible polymer to which is attached a bioligand that specifically captures progenitors of endothelial cells (PECs) from the circulating blood to promote endogenous formation of healthy endothelium in Type II diabetics. In one embodiment, the bioligand is a peptide that specifically binds to an integrin receptor on PECs. The invention also provides methods for using such vascular stents and other implantable devices to promote vascular healing in Type II diabetics, for example following mechanical intervention.

IPC 8 full level

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Citation (search report)

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- [X] US 2003229393 A1 20031211 - KUTRYK MICHAEL J B [CA], et al
- [X] US 6280760 B1 20010828 - MEYER JORG [DE], et al
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- See references of WO 2005097186A2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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