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

EP 1737379 A4 20110817 (EN)

Application

EP 05767563 A 20050404

Priority

- US 2005011231 W 20050404
- US 55993704 P 20040405

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

A61F 2/00 (2006.01); **A61F 2/02** (2006.01); **A61F 2/04** (2006.01); **A61F 2/06** (2006.01); **A61F 2/82** (2006.01); **A61K 9/00** (2006.01); **A61K 39/395** (2006.01); **A61L 31/10** (2006.01); **A61L 31/16** (2006.01)

CPC (source: EP)

A61L 31/10 (2013.01); **A61L 31/16** (2013.01); A61L 2300/114 (2013.01); A61L 2300/25 (2013.01); A61L 2300/256 (2013.01); A61L 2300/416 (2013.01); A61L 2300/604 (2013.01); A61L 2300/608 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005097186 A2 20051020; **WO 2005097186 A3 20060914**; AU 2005231458 A1 20051020; CA 2562018 A1 20051020; CN 1984620 A 20070620; CN 1984620 B 20110330; EP 1737379 A2 20070103; EP 1737379 A4 20110817; JP 2007532185 A 20071115

DOCDB simple family (application)

US 2005011231 W 20050404; AU 2005231458 A 20050404; CA 2562018 A 20050404; CN 200580015085 A 20050404; EP 05767563 A 20050404; JP 2007507391 A 20050404