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- (74) Agent: JOHNSON, Philip, S.; Johnson & Johnson, 1 Johnson & Johnson Plaza, New Brunswick, NJ 08903 (US).
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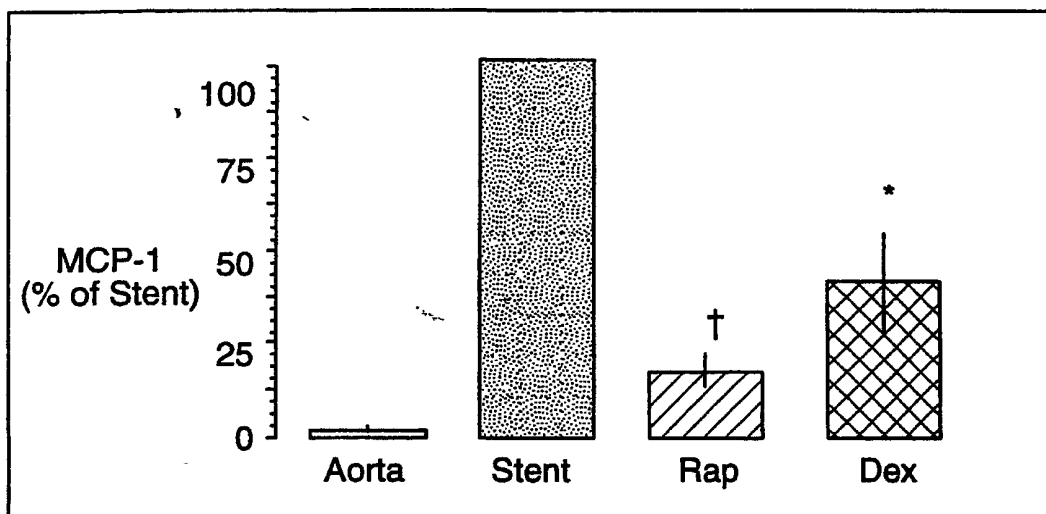
- (71) Applicant: CORDIS CORPORATION [US/US]; 14201 N.W. 60th Avenue, Miami Lakes, FL 33014 (US).
- (72) Inventors: FALOTICO, Robert; 40 Black Horse Run, Belle Mead, NJ 08502 (US). KOPIA., Gregory A.; 58 Longfield Drive, Hillsborough, NJ 08844 (US). LLANOS, Gerard, H.; 1514 Megan Circle, Stewartville, NJ 08886 (US). SIEKIERKA, John; 10 Glenview Road, Towaco, NJ 07082 (US).

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(54) Title: DELIVERY SYSTEMS FOR TREATMENT OF VASCULAR DISEASE



(57) Abstract: A drug and drug delivery system may be utilized in the treatment of vascular disease. A local delivery system is coated with rapamycin or other suitable drug, agent or compound and delivered intraluminally for the treatment and prevention of neointimal hyperplasia following percutaneous transluminal coronary angiography. The local delivery of the drugs or agents provides for increased effectiveness and lower systemic toxicity.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61L31/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61F A61L A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 950 386 A (CORDIS CORP) 20 October 1999 (1999-10-20) figures 3A,3B paragraphs '0012!, '0023!, '0028!-'0031!, '0034! claims	1-11
X	US 5 981 568 A (RENO JOHN M ET AL) 9 November 1999 (1999-11-09) claims	1,2,4, 8-11
X	WO 98 36784 A (COOK INC) 27 August 1998 (1998-08-27) page 6, line 29 -page 7, line 14 page 12, line 14 -page 13, line 27 claims	1,2,4, 8-11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- * & * document member of the same patent family

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Thornton, S

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
EP 0950386	A	20-10-1999	US 6273913 B1 EP 0950386 A2	14-08-2001 20-10-1999
<hr style="border-top: 1px dashed black;"/>				
US 5981568	A	09-11-1999	US 5811447 A BR 9808109 A EP 0975340 A2 WO 9843618 A2 US 6074659 A US 6268390 B1 US 5733925 A CA 2162587 A1 EP 0702557 A1 JP 8510209 T US 6251920 B1 WO 9426291 A1 US 6262079 B1 US 5595722 A US 5770609 A AU 4985196 A EP 0809515 A1 JP 11500635 T CA 2212537 A1 WO 9625176 A1 US 6171609 B1	22-09-1998 08-03-2000 02-02-2000 08-10-1998 13-06-2000 31-07-2001 31-03-1998 24-11-1994 27-03-1996 29-10-1996 26-06-2001 24-11-1994 17-07-2001 21-01-1997 23-06-1998 04-09-1996 03-12-1997 19-01-1999 22-08-1996 22-08-1996 09-01-2001
<hr style="border-top: 1px dashed black;"/>				
WO 9836784	A	27-08-1998	AU 737252 B2 AU 6663298 A EP 0968013 A1 WO 9836784 A1	16-08-2001 09-09-1998 05-01-2000 27-08-1998
<hr style="border-top: 1px dashed black;"/>				