## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 1 September 2005 (01.09.2005)

PCT

## (10) International Publication Number WO 2005/079387 A3

 $(51) \ \ International \ Patent \ Classification ^7:$ 

A61K 9/22

(21) International Application Number:

PCT/US2005/004677

(22) International Filing Date: 11 February 2005 (11.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/544,663 13 February 2004 (13.02.2004) US

(71) Applicant (for all designated States except US): CONOR MEDSYSTEMS, INC. [US/US]; 1003 Hamilton Court, Menlo Park, CA 94025 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SHANLEY, John, F. [US/US]; 217 Yarborough Lane, Redwood City, CA 94061 (US).

(74) Agent: LYNCH, Cindy, A.; V.P. Intellectual Property, Conor Medsystems, Inc., 1003 Hamilton Court, Menlo Park, CA 94025 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

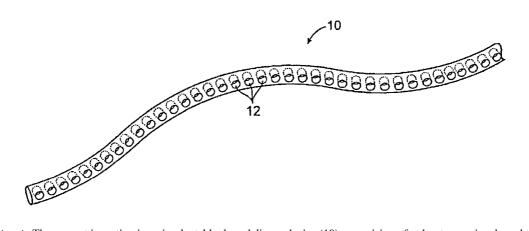
## **Published:**

with international search report

(88) Date of publication of the international search report: 1 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPLANTABLE DRUG DELIVERY DEVICE INCLUDING WIRE FILAMENTS



(57) Abstract: The present invention is an implantable drug delivery device (10) comprising of at least one wire shaped to accommodate a particular target tissue within the body, a plurality of through holes (12) in the at least one wire, and a solid therapeutic agent provided in the through holes for delivery from the wire to the target tissue.





## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/04677

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : A 61 K 9/22 US CL : 604/891.1 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) U.S.: 604/891.1,890.1,19,48,502,93.01,95.05,246,256,264; 424/422-423; 623/1.42,1.43,1.45,23.64,23.7,23.72,23.75  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 practicable, search terms used)			
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	UMENTS CONSIDERED TO BE RELEVANT	navanuista, of the salavant passages	Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages  US 6,530,951 B1 (Bates et al) 11 March 2003 (11.03.2003), see figures 8-10D.		1-2,4-10,12-15,19-
X 	US 6,530,951 B1 (Bates et al) 11 March 2005 (11.05.2005), see figures 6-10D.		21,24-25,28-30,37-40
Y	16-18,22-23,31,34-36		
X,P	US 6,783,543 B2 (Jang) 31 August 2004 (31.08.2004), see entire document.		1-2,4-10,12-15,19- 21,24-25,28-30,37-40
Y,P	9 16		16-18,22-23,31,34-36
X US 2003/0190406 A1 (Hossainy et al) 9 October 200		03 (09.10.2003), see figures 3B-3D.	1-2,4-10,12-15,19- 21,24-25,28-30,37-40
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1			16-18,22-23,31,34-36
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priority d	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report	
28 July 2005		Autho (ized officer	$\overline{}$
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Co	ommissioner of Patents	Catherine S. Williams	
	. Box 1450 sandria, Virginia 22313-1450	Telephone No. 571-272-4970 .	
Facsimile No. (703) 305-3230			