## (19) World Intellectual Property Organization

International Bureau



# 

(43) International Publication Date 24 March 2005 (24.03.2005)

### (10) International Publication Number WO 2005/025447 A3

(51) International Patent Classification: A61B 17/08 (2006.01) A61D 1/00 (2006.01)

(21) International Application Number:

PCT/US2004/029184

(22) International Filing Date:

8 September 2004 (08.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/657,820

8 September 2003 (08.09.2003)

(71) Applicant (for all designated States except US): MI-CROLIN, L.C. [US/US]; 2425 South 900 West, Salt Lake City, UT 84119 (US).

(72) Inventor: JOSHI, Ashok, V.; 4552 S. Thousand Oaks Drive, Salt Lake City, UT 84124 (US).

(74) Agent: HULSE, Loren, R.; Ceramatec, Inc., 2425 South 900 West, Salt Lake City, UT 84119 (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, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(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, IT, 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).

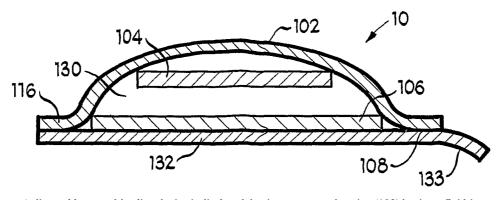
#### Published:

with international search report

(88) Date of publication of the international search report: 9 November 2006

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: DEVICE AND METHOD FOR WOUND THERAPY



(57) Abstract: A disposable wound-healing device is disclosed that incorporates a housing (102) having a fluid-impermeable material having a cavity (130) and a perimeter (116) that can be sealed in an air-tight manner over a wound region of a patient. The device is capable of producing a negative pressure over the wound region by either removing oxygen from within the cavity, or absorbing fluid into the cavity and then removing the fluid from the cavity.

### INTERNATIONAL SEARCH REPORT

International application No.

Þι	٦Τ	/Τ	IC	Λ4.	ハ	Q:	I R	Δ

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61B 17/08; A61D 1/00									
US ČĹ : 606/213,215									
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.: 606/213,215; 602/42									
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)									
	JMENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where a		Relevant to claim No.						
X 	US 5,636,643 A (ARGENTA et al) 10 June 1997 (10	.06.1997) see entire document.	17,18,22,23,30-37,39- 41,46,50						
Y			19-21,26-29,46-49						
Y	US 5,868,933 A (PATRICK et al) 09 February 1999	(09.02.1999), see entire document.	19-21						
Y	US 2003/0050594 A1 (ZAMIEROWSKI) 13 March	2003, (13.03.2003), see entire document.	26-29						
Y	US 3,171,410 A (TOWLE, JR, et al) 02 March 1965	(02.03.1965), see Figures 1 and 2.	46-49						
Further	documents are listed in the continuation of Box C.	See patent family annex.							
	pecial categories of cited documents:	"T" later document published after the intern	ished after the international filing date or priority lict with the application but cited to understand the						
	defining the general state of the art which is not considered to be of relevance	principle or theory underlying the invent	ion						
"E" earlier app	plication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone							
establish t specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being							
"O" document	referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art							
	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent family							
	ctual completion of the international search	Date of mailing of the international search report  1 8 AUG 2006							
	2006 (08.02.2006) Liling address of the ISA/US	Authorized officer							
	1 Stop PCT, Attn: ISA/US	$ \mathcal{L}_{\mathcal{DC}} $							
Con	nmissioner for Patents	Anhtuan T. Nguyen U. Luby							
P.O Alex	. Box 1450 xandria, Virginia 22313-1450	Telephone No. 703-308-0858							
	(571) 273-3201								