(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 21 December 2006 (21.12.2006)

(10) International Publication Number WO 2006/135696 A3

(51) International Patent Classification:

A61K 9/70 (2006.01) C09J 7/02 (2006.01)

A61F 13/02 (2006.01)

(21) International Application Number:

PCT/US2006/022340

(22) International Filing Date: 8 June 2006 (08.06.2006)

(25) Filing Language: English

(26) Publication Language: English

(**30**) Priority Data: 60/689,212

10 June 2005 (10.06.2005) US

- (71) Applicant (for all designated States except US): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3m Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KNUTSON, Gordon P. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US). SEVER, John M. [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).
- (74) Agents: CANTOR, Adam, S. et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

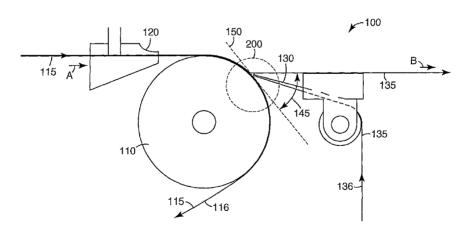
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, 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, LV, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: METHOD FOR HANDLING ADHESIVE LAMINATE SECTIONS



(57) Abstract: A method of handling an adhesive laminate, wherein the adhesive laminate is provided releasably adhered to a first web, comprising a plurality of cut or punched sections and wherein adjacent sections of the adhesive laminate remain joined to one another in the longitudinal direction of the web through one or more tie points. A first supporting structure and a second supporting structure adjacent to the first supporting structure are provided. The first web is led over the first supporting structure. A second web is provided and led over the second supporting structure, wherein the second web is oriented such that the release surface of the second web faces the first supporting structure. A leading portion of a first section of adhesive laminate from the first web is attached to the release surface of the second web and the second web is advanced such that the first section of the adhesive laminate is detached from a second section of adhesive laminate and the leading edge of the second section of adhesive laminate. A transdermal drug delivery device prepared by such a method.



WO 2006/135696 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

7 June 2007

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.

INTERNATIONAL SEARCH REPORT

International application No PCT/US2006/022340

A. CLASSIFICATION OF SUBJECT MATTER INV. A61K9/70 A61F13/02 C09J7/02

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

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{A61F} & \mbox{A61K} & \mbox{C09J} \end{array}$

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)

	ata base consulted during the international search (name of data ternal, WPI Data, EMBASE, BIOSIS,)		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim No.		
Х	US 6 059 913 A (ASMUSSEN BODO 9 May 2000 (2000-05-09) the whole document	[DE] ET AL)	1-22		
X	US 5 681 413 A (HILLE THOMAS [128 October 1997 (1997-10-28) column 1, line 36 - column 2, column 3, line 53 - column 4, column 5, lines 16-25; figures example 1	line 5 line 51	1-22		
X	US 6 365 178 B1 (VENKATESHWARA [US] ET AL) 2 April 2002 (2002- cited in the application example 3		21,22		
X Furt	her documents are listed in the continuation of Box C.	X See patent family annex.			
* Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "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 "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 obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report		
2	9 March 2007	11/04/2007			
Name and	rnailing 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 Marttin, Emmeline)		
orm PCT/ISA/	210 (second sheet) (April 2005)				

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/022340

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT							
gory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
tegory*	US 2002/119187 A1 (CANTOR ADAM S [US] ET AL) 29 August 2002 (2002-08-29) cited in the application examples	21,22					

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2006/022340

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6059913		09-05-2000	AT	213144	T	15-02-2002
			ΑU	709517		02-09-1999
			ΑU	1176397		14-07-1997
			CA	2240416		26-06-1997
			CN	1205623		20-01-1999
			CZ	9801710		14-10-1998
			DE	19547691		24-04-1997
			DK	959834		27-05-2002
			WO	9722315		26-06-1997
			EP	0959834		01-12-1999
			ES		T3	01-10-2002
			HK	1026356		22-11-2002
			HU	0000209		28-10-2000
			ΙL	124618		23-12-2001
			ĴΡ		B2	04-11-2004
			ĴΡ		T T	22-02-2000
			NO	982844		19-06-1998
			NZ	324305		28-01-2000
			PL	327602		21-12-1998
			PΤ	959834		31-07-2002
			SK	67598		07-10-1998
			ZA	9610666		27-06-1997
US 5681413	 А	28-10-1997	AT	146355	 _ Т	15-01-1997
			AU	687011		19-02-1998
			ΑU	4817293		26-04-1994
			CA	2145072		14-04-1994
			CZ	9500738		18-10-1995
			DE	4232279		21-10-1993
			DK	661958	T3	09-06-1997
			WO	9407449		14-04-1994
			EΡ	0661958	A1	12-07-1995
•			ES	2098778	T3	01-05-1997
			FΙ	951419	Α	24-03-1995
			GR	3022864	T3	30-06-1997
			HR	931236	A2	30-04-1995
			HU	71526		28-12-1995
			IL	107076		14-11-1996
			JP	8501479		20-02-1996
			JP	3621094		16-02-2005
			NO	951137		24-03-1995
			NZ	256014		27-08-1996
			PL	308146		24-07-1995
			SI	9300500		31-03-1994
			ŠK	38595		06-11-1996
			ZA	9307069		18-04-1994
US 6365178	B1	02-04-2002	NONE			
US 2002119187	A1	29-08-2002	US	2006222691	Λ1	05-10-2006