

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
2 April 2009 (02.04.2009)

PCT

(10) International Publication Number  
**WO 2009/042832 A3**

(51) International Patent Classification:

A61K 8/04 (2006.01) A61Q 1/06 (2006.01)  
A61K 8/894 (2006.01) A61Q 1/02 (2006.01)  
A61K 8/31 (2006.01) A61Q 17/04 (2006.01)  
A61K 8/37 (2006.01) A61Q 19/10 (2006.01)

(21) International Application Number:

PCT/US2008/077791

(22) International Filing Date:

26 September 2008 (26.09.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/975,318 26 September 2007 (26.09.2007) US

(71) Applicant (for all designated States except US): **DOW CORNING CORPORATION** [US/US]; 2200 West Salzburg Road, Midland, MI 48686-0994 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KENNAN, John, Joseph** [US/US]; 6124 Londonberrie Court, Midland, MI 48640 (US). **MESSNER, Kathryn, Elizabeth** [US/US]; 5006 Candace Drive, Midland, MI 48640 (US). **VAN REETH, Isabelle** [BE/CN]; House #34, Lane 888, Ming Yue Road, Pudong, Shanghai 201206 (CN). **GARAUD, Jean-Luc** [FR/FR]; Rue des 3 Ballots 72, F-59560 Comines (FR).

(74) Agent: **ZOMBECK, Alan**; IP Department - CO1232, Dow Corning Corporation, 2200 West Salzburg Road, Midland, MI 48686-0994 (US).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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))
- of inventorship (Rule 4.17(iv))

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:

16 July 2009

(54) Title: PERSONAL CARE COMPOSITIONS CONTAINING SILICONE-ORGANIC GELS FROM POLYALKYLOXY-LENE CROSSLINKED SILICONE ELASTOMERS

(57) Abstract: Silicone organic gels and gel paste compositions are disclosed containing a silicone organic elastomer in a carrier fluid. The silicone organic elastomer is a reaction product of a linear or branched organohydrogensiloxane, an  $\alpha$ ,  $\omega$  - unsaturated polyoxyalkylene, and a hydrosilylation catalyst. The silicone organic elastomer is particularly useful to gel organic carrier fluids. The gels and gel pastes also provide enhanced compatibility with many personal and health care actives.



WO 2009/042832 A3

**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2008/077791

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>				
INV. A61K8/04	A61K8/894	A61K8/31	A61K8/37	A61Q1/06
A61Q1/02	A61Q17/04	A61Q19/10		

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)  
A61Q 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, WPI Data, CHEM ABS Data, BIOSIS, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 412 004 A (TACHIBANA KIYOMI [JP] ET AL) 2 May 1995 (1995-05-02) examples 5,11,14. page 8, line 12 - page 9, line 33	1-15
X	EP 1 148 099 A (DOW CORNING TORAY SILICONE [JP]) 24 October 2001 (2001-10-24) paragraphs [0001], [0004], [0005], [0007] - [0009], [0012], [0013]; examples 1-13	1-15

Further documents are listed in the continuation of Box C.

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

20 May 2009

Date of mailing of the international search report

04/06/2009

Name and mailing address of the ISA/

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

Authorized officer

Krattinger, B

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2008/077791

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DOW CORNING: "Product Information: Dow Corning 9011 . SILICONE ELASTOMER BLEND" INTERNET CITATION, [Online] XP002330255 Retrieved from the Internet: URL:http://www.dowcorning.com/DataFiles/090007b580108c93.pdf> [retrieved on 2005-06-01] the whole document -----	1-15
Y	WO 2004/100906 A (PROCTER & GAMBLE [US]; CLAPP MANNIE LEE [US]; TAYLOR REBECCA ANN [US];) 25 November 2004 (2004-11-25) page 4, line 21 - page 5, line 20 page 6, line 14 - line 18 examples 5,11 -----	1-15
E	WO 2009/006091 A (DOW CORNING [US]; KENNAN JOHN JOSEPH [US]; MESSNER KATHRYN ELIZABETH []) 8 January 2009 (2009-01-08) paragraphs [0007] - [0041], [0044]; examples -----	1-15
P	WO 2007/109240 A (DOW CORNING [US]; LIN SHAOW [US]) 27 September 2007 (2007-09-27) paragraphs [0006] - [0021], [0031], [0037] - [0060], [0063]; examples 3-22 -----	1-15

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/077791

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5412004	A	02-05-1995	NONE	
EP 1148099	A	24-10-2001	JP 2001294754 A US 2001041771 A1	23-10-2001 15-11-2001
WO 2004100906	A	25-11-2004	AU 2004238310 A1 CA 2524306 A1 EP 1622578 A2 KR 20060009904 A MX PA05011947 A	25-11-2004 25-11-2004 08-02-2006 01-02-2006 02-02-2006
WO 2009006091	A	08-01-2009	NONE	
WO 2007109240	A	27-09-2007	EP 2001933 A2 KR 20080108558 A	17-12-2008 15-12-2008