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(54) Title: COSMETIC COMPOSITION COMPRISING HYDROPHOBIC SILICA AEROGEL PARTICLES AND A MIXTURE OF SURFACTANTS

(57) Abstract: The present invention relates to a cosmetic composition comprising hydrophobic silica aerogel particles, at least one anionic surfactant and at least one amphoteric or zwitterionic surfactant. The invention also relates to a cosmetic treatment method employing the said composition, in particular to a hair treatment method, which makes it possible in particular to slow down, indeed even to prevent, the regreasing of the hair and/or scalp.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 229 389 A1 (WAKEMAN L [FR]) 13 December 1974 (1974-12-13) page 3, line 36 - page 5, line 23 examples	1-17
Y	WO 2009/120602 A1 (MARY KAY INC [US]; ZHAO WANLI [US]) 1 October 2009 (2009-10-01) page 2, paragraph 5-6 page 8, paragraph 28-29 page 12, paragraph 38 examples	1-17
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International application No
PCT/EP2013/062837

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: "Dow Corning VM-2270 Aerogel Fine particles", INTERNET CITATION, April 2009 (2009-04), pages 1-5, XP002650585, Retrieved from the Internet: URL:http://www2.dowcorning.com/DataFiles/090007c88020e235.pdf [retrieved on 2011-07-15] the whole document	1-17
Y	----- GB 2 398 240 A (DOW CORNING AUSTRALIA PTY LTD [AU]) 18 August 2004 (2004-08-18) page 2, paragraph 6-8 page 4, paragraph 13 page 5, paragraph 16 examples	1-17
A	----- DE 195 06 141 A1 (HOECHST AG [DE]) 29 August 1996 (1996-08-29) page 3, line 4 - line 21 page 3, lines 50-55 examples	1-17
A	----- US 5 800 816 A (BRIEVA HERNANDO [US] ET AL) 1 September 1998 (1998-09-01) column 1, line 38 - line 60 examples	1-17
A	----- EP 0 868 942 A1 (GILLETTE CO [US]; CF TECH [US]) 7 October 1998 (1998-10-07) page 2, lines 52-58 page 4, lines 14-30 page 13, lines 31-40; examples	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2013/062837

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2229389	A1	13-12-1974	NONE

WO 2009120602	A1	01-10-2009	CA 2719075 A1 01-10-2009
			CN 102065826 A 18-05-2011
			EA 201001440 A1 30-06-2011
			EP 2262468 A1 22-12-2010
			ES 2396863 T3 28-02-2013
			KR 20100135843 A 27-12-2010
			US 2009247648 A1 01-10-2009
			US 2012065163 A1 15-03-2012
			WO 2009120602 A1 01-10-2009

GB 2398240	A	18-08-2004	NONE

DE 19506141	A1	29-08-1996	AT 217754 T 15-06-2002
			AT 237358 T 15-05-2003
			AU 711078 B2 07-10-1999
			AU 4718496 A 11-09-1996
			AU 4879396 A 11-09-1996
			BR 9607260 A 30-12-1997
			BR 9607414 A 23-06-1998
			CA 2213511 A1 29-08-1996
			CA 2213569 A1 29-08-1996
			CN 1175886 A 11-03-1998
			CN 1175904 A 11-03-1998
			DE 19506141 A1 29-08-1996
			EP 0810822 A1 10-12-1997
			EP 0810975 A2 10-12-1997
			EP 0920337 A1 09-06-1999
			ES 2135211 T3 16-10-1999
			ES 2176437 T3 01-12-2002
			ES 2191749 T3 16-09-2003
			FI 973419 A 20-08-1997
			HU 9702436 A2 30-03-1998
			JP 3913269 B2 09-05-2007
			JP 4142739 B2 03-09-2008
			JP H11500440 A 12-01-1999
			JP H11500441 A 12-01-1999
			JP H11505499 A 21-05-1999
			NO 973665 A 08-08-1997
			NZ 301695 A 28-01-2000
			PL 321898 A1 22-12-1997
			RU 2185192 C2 20-07-2002
			TR 9700845 T1 21-02-1998
			US 6280744 B1 28-08-2001
			US 6365638 B1 02-04-2002
			US 7674476 B1 09-03-2010
			WO 9625850 A1 29-08-1996
			WO 9625950 A1 29-08-1996
			WO 9626890 A2 06-09-1996

US 5800816	A	01-09-1998	AR 044520 A1 21-09-2005
			AT 223696 T 15-09-2002
			AU 709441 B2 26-08-1999
			AU 3439195 A 09-05-1996
			BR 9504533 A 27-05-1997
			CA 2161285 A1 26-04-1996
			CN 1127631 A 31-07-1996

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2013/062837

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		DE 69528131 D1	17-10-2002
		DE 69528131 T2	13-03-2003
		EP 0709083 A2	01-05-1996
		ES 2182870 T3	16-03-2003
		FI 955048 A	26-04-1996
		FR 2726467 A1	10-05-1996
		GB 2294392 A	01-05-1996
		HK 1013252 A1	12-05-2000
		IL 115693 A	13-08-2000
		JP H08239316 A	17-09-1996
		NO 954201 A	26-04-1996
		NZ 280302 A	20-12-1996
		SG 42788 A1	17-10-1997
		TW 482677 B	11-04-2002
		US 5800816 A	01-09-1998
		US 5911974 A	15-06-1999
		US 5965112 A	12-10-1999
		US 5985298 A	16-11-1999
		US 6464964 B1	15-10-2002
		US 2003007987 A1	09-01-2003
		US 2003147931 A1	07-08-2003
		US 2004175345 A1	09-09-2004
		US 2006088562 A1	27-04-2006
		US 2007092468 A1	26-04-2007
		ZA 9509024 A	06-08-1996
<hr style="border-top: 1px dashed black;"/>			
EP 0868942	A1	07-10-1998	
		AT 175589 T	15-01-1999
		AU 688820 B2	19-03-1998
		BR 9408015 A	17-12-1996
		CA 2175814 A1	18-05-1995
		CN 1139390 A	01-01-1997
		DE 69415998 D1	25-02-1999
		DE 69415998 T2	12-08-1999
		EP 0728037 A1	28-08-1996
		EP 0868942 A1	07-10-1998
		ES 2126867 T3	01-04-1999
		JP H09508055 A	19-08-1997
		NZ 276277 A	27-04-1998
		PL 314294 A1	02-09-1996
		US 5725836 A	10-03-1998
		US 5864923 A	02-02-1999
		WO 9513132 A1	18-05-1995
<hr style="border-top: 1px dashed black;"/>			