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(54) Title: BIPHASIC INDUCING AGENT FOR AQUEOUS CLEANSING COMPOSITIONS

(57) Abstract: The invention relates to the use of specifically defined agents that induce the formation of biphasic liquid cleansing compositions. In particular the biphasic inducing agents include water soluble, high-gel-point polysaccharides having a molecular weight greater than about 10,000 Daltons; fatty ester or fatty ether ethoxylates of intermediate ethoxylation; and mixtures thereof. Optional use of salt and polydextrose allows less total biphasic inducing agents to be used in the composition and more control over the physical properties of the composition.



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International application No PCT/EP2005/012534

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According	to International Patent Classification (IP	C) or to both national classificat	ion and IPC						
B. FIELDS SEARCHED									
Minimum o	locumentation searched (classification	system followed by classification	symbols)						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
1	Electronic data base consulted during the international search (name of data base and, where practical, search terms used)								
EPO-Ir	ıternal								
C. DOCUM	ENTS CONSIDERED TO BE RELEVAN	NT .							
Category*	Citation of document, with indication,		ant passages		Relevant to claim No.				
Х	US 6 727 209 B2 (PEREIRA DANIEL ET AL) 27 April 2004 (2004-04-27) cited in the application column 9, lines 7-15; claims; examples 8,9				1-4,6-10				
Х	US 6 429 177 B1 (WILLIAMS JASON RICHARD ET AL) 6 August 2002 (2002-08-06) cited in the application column 10, lines 7-17; claims; table 3				1-4,6-10				
X	DE 199 15 837 A1 (HENKEL KGAA) 12 October 2000 (2000-10-12) page 2, line 67 - page 3, line 23 page 3, lines 44-50 claims; examples				1-4,6-10				
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X Furth	er documents are listed in the continuat	ion of Box C.	See patent family	annex.					
* Special ca	tegories of cited documents:	"Т"	later document publish	ed after the int	ernational filing date				
"A" documer conside	at defining the general state of the art we red to be of particular relevance	nich is not	cited to understand th	OF IR CONTUCT WIT	n ina annication but				
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "V" document to exist the publication date of another									
citation or other special reason (as specified) Condocument referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such document.									
P" document published prior to the international filing date but in the art.									
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European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tei. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016			Péntek, Eric						

International application No PCT/EP2005/012534

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 22 824 A1 (HENKEL KGAA) 23 November 2000 (2000-11-23) page 4, lines 8-22 page 6, lines 12-50 claims; examples	1-4,6-10
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International application No. PCT/EP2005/012534

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: See annex
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Liquid cleansing composition comprising at least 2 separated aqueous based layers, said composition containing 5-75% of a surfactant; a biphasic inducing agent being a polysaccharide having a molecular weight greater than 10,000; up to 10% of a salt; and up to 35% of a polydextrose.

Liquid cleansing composition comprising at least 2 separated aqueous based layers, said composition containing 5-75% of a surfactant; a biphasic inducing agent being an intermediate ethoxylate fatty ester; up to 10% of a salt; and up to 35% of a polydextrose.

Liquid cleansing composition comprising at least 2 separated aqueous based layers, said composition containing 5-75% of a surfactant; a biphasic inducing agent being an intermediate ethoxylate fatty ether; up to 10% of a salt; and up to 35% of a polydextrose.

Information on patent family members

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