

EUROPEAN PATENT APPLICATION

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C11D 9/00

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Aqueous solution composition of strong alkali and nonionic surface active agent.

An aqueous solution composition of a strong alkali and a nonionic surface active agent comprising: (a) a strong alkali, (b) a nonionic surface active agent having an HLB value of 3 - 18, and, as a solubilizing agent, (c) a specific type of carboxylic acid is disclosed. The composition contains a strong alkali and a nonionic surface active agent having an HLB value usually of 3 - 18 at high concentrations and stably and is homogeneous and transparent. Thus, it is useful for a variety of applications requiring both alkalinity and detergency, for example, as wettability promoting agents of glass, fiber, metal, and earthenware surfaces as well as various toiletry products.

EP 0 296 432 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X, L	GB-A-1 075 220 (KAO SAOP CO., LTD) * Page 1, lines 12-18, 65-77, 88 - page 2, lines 13, 34-76, 105 - page 3, line 5; table 1, compounding examples 2-4; table 4; claims 1, 3, 5-8 * Document quoted "L" for it's casting doubt on the "first deposit character" of the JP-patent applications where-of Convention Priority has been claimed and thus validity of the priority claim. ---	1, 2	C 11 D 1/72 C 11 D 10/04 C 11 D 3/20 C 11 D 1/94 C 11 D 3/33 C 11 D 3/04 C 11 D 9/00
X	FR-A-2 411 027 (BASF AG) * Page 1, line 1 - page 2, line 1; page 3, line 26 - page 4, line 12; examples 1, 3-12, 14-22; tables I, II; claims 1, 2 * ---	1, 2	
X	EP-A-0 202 638 (BASF AG) * Column 1, line 5 - column 3, line 34; column 4, lines 23-35; examples; claims *	1, 2	
Y	* Whole document * ---	1	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
X	FR-A-2 564 105 (SOC. DES LESSIVES SAINT MARC.) * Abstract; page 1, line 5 - page 2, lines 29, 33 - page 3, line 11; page 4, lines 25-34; page 5, lines 33-40; example; page 7, lines 23-27; claims 1, 3 * ---	1, 2	C 11 D
X	FR-A-2 066 096 (BASF AG) * Examples 1-13, 15-17; claims 1, 4, 5 * ---	1, 2	
Y	US-A-3 956 161 (F.E. WOODWARD) * Complete * ---	1	
		-/-	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19-09-1990	Examiner FISCHER W.H.F.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1 (as far as (c) is a carboxylic acid of formula (I), 2
2. Claim 1 (as far as (c) is a combination of carboxylic acids of formulae (i) and (II)

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)		
Y	FR-A-1 580 491 (HENKEL & CIE, GmbH) * Page 1, line 14 - page 5, line 16; page 9, lines 15-20; page 18, lines 4-6,18 - page 19, line 23; examples 4,8,13,17; claims 1-3,7,8 * & US-A-3 676 338 (W. FRIES et al.) ---	1			
X	US-A-4 375 422 (P.C. BLACKSTONE) * Complete * ---	1			
X	US-A-4 416 792 (P.C. BLACKSTONE) * Example III * ---	1			
X	EP-A-0 070 191 (UNILEVER N.V.) * Abstract; page 2, line 9 - page 7, line 5; page 9, line 36 - page 13, line 5; page 17, line 13 - page 18, line 34; examples 1,2,4,5; claims 1-5 * & EP-A-70190 (UNILEVER N.V.) -----	1			
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)		
Place of search THE HAGUE		Date of completion of the search 19-09-1990	Examiner FISCHER W.H.F.		
<table><tr><td>CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</td><td>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</td></tr></table>				CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document
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