



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



Publication number: **0 430 818 A3**

12

## EUROPEAN PATENT APPLICATION

21 Application number: **90403421.2**

51 Int. Cl.<sup>5</sup>: **C11D 3/12, C11D 3/37**

22 Date of filing: **30.11.90**

30 Priority: **01.12.89 US 444250**

71 Applicant: **Colgate-Palmolive Company**  
**300 Park Avenue**  
**New York, N.Y. 10022-7499(US)**

43 Date of publication of application:  
**05.06.91 Bulletin 91/23**

72 Inventor: **Ahmed, Fahim Uddin**  
**46 Wetherhill Way**  
**Dayton, New Jersey(US)**  
Inventor: **Buck, Charles Edward**  
**3 Lockward Road**  
**Caldwell, New Jersey(US)**

84 Designated Contracting States:  
**AT BE CH DE DK ES FR GB IT LI LU NL SE**

88 Date of deferred publication of the search report:  
**16.10.91 Bulletin 91/42**

74 Representative: **Varady, Peter et al**  
**Cabinet Lavoix 2, Place d'Estienne d'Orves**  
**F-75441 Paris Cedex 09(FR)**

54 **Automatic dishwasher powder detergent composition.**

57 This detergent composition having improved film or improved film and spot performance comprises at least one ingredient selected from the group consisting of organic detergent, detergent builder, foam inhibitor and mixtures thereof, and a nonabrasive 0.5 to 6.0 % amount of small substantially water insoluble particles selected from the group consisting of silica, alumina, titanium dioxide and mixtures thereof as an anti-filming agent.

**EP 0 430 818 A3**



**EUROPEAN SEARCH  
REPORT**

<b>DOCUMENTS CONSIDERED TO BE RELEVANT</b>			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EP-A-0 315 024 (COLGATE-PALMOLIVE) * Page 5, line 50 - page 7, line 20; page 9, lines 18-52; example 3; claims 1-10 * - - -	1-20	C 11 D 3/12 C 11 D 3/37
A	DE-A-2 022 501 (PROCTER AND GAMBLE) * Page 2, lines 20-29; page 3, lines 3-35; example 2 * - - -	1,4,5,7,9	
A	US-A-4 203 858 (P.M. CHAKRABARTI) * Column 4, lines 20-61; column 5, line 17 - column 6, line 2; claims 1-5 * - - - - -	1,3-6,19	
			<b>TECHNICAL FIELDS SEARCHED (Int. Cl.5)</b>
			C 11 D
The present search report has been drawn up for all claims			
<b>Place of search</b>		<b>Date of completion of search</b>	<b>Examiner</b>
The Hague		31 July 91	GRITTERN A.G.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>E: earlier patent document, but published on, or after the filing date  D: document cited in the application  L: document cited for other reasons  .....  &amp;: member of the same patent family, corresponding document</p>			