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54 **Detergent composition.**

57 A chlorine bleach-free aqueous liquid machine dishwashing composition having solution pH 7-11 contains proteolytic enzyme, detergency builder, sodium silicate having SiO<sub>2</sub>:Na<sub>2</sub>O ratio of from 2.0-3.2 and organic surfactant which comprises (i) glycoside surfactant, (ii) anionic sulphate or sulphonate including a C<sub>8</sub> to C<sub>22</sub> alkyl or alkenyl group or (iii) ethoxylated C<sub>6</sub> to C<sub>16</sub> fatty alcohol with HLB of at least

10.5, or a mixture of (i), (ii) and/or (iii). If (iii) is used without (ii) it must be an ethoxylated C<sub>6</sub> to C<sub>12</sub> alcohol, or glycoside surfactant must also be present. Proteolytic enzyme plus the specified surfactant gives a synergistic improvement in removal of proteinaceous soil.

**EP 0 554 943 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.5)
X	FR-A-2 355 908 (PROCTER & GAMBLE) * claims; examples 5,6 * ---	1,5,7,9, 10,13,14	C11D3/386 C11D1/83 C11D1/72 C11D3/08
A	EP-A-0 342 177 (PROCTER & GAMBLE) * claim 1; examples * ---	1,4,9-12	
A	US-A-4 101 457 (G. PLACE ET AL.) * column 1, line 15 - line 55; claim 1; examples 15,16,18 * ---	1,5,7,9, 13,14	
A	EP-A-0 271 156 (UNILEVER) * page 1, line 30 - page 2, line 13; claim 1; examples * ---	1,5,10, 13,14	
A	FR-A-2 608 168 (COLGATE-PALMOLIVE) * page 15, line 21 - page 16, line 24; claims; examples * ---	1,5,6, 13,14	
X	EP-A-0 429 124 (PROCTER & GAMBLE) * the whole document * ---	1,5, 8-10, 12-14	TECHNICAL FIELDS SEARCHED (Int. Cl.5)  C11D
D,A	WO-A-8 605 187 (A.E. STALEY MANUFACTURING) * claims * -----	1-3,5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 OCTOBER 1993	Examiner GRITTERN A.G.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			