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AT BE CH DE ES FR GB GR IT LI NL SE(88) Date of deferred publication of the search report:
11.07.90 Bulletin 90/28(71) Applicant: **Colgate-Palmolive Company**
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D-2000 Hamburg 52(DE)(54) **Detergent composition.**

(57) Liquid, caustic-free, pre-spotting compositions that remove baked-on food residues from hard surfaces at ambient temperatures are provided which comprise:

a. from about 1 to 40%, preferably 4 to 20%, of a surfactant selected from the group consisting of anionic surfactants, nonionic surfactants and mixtures thereof;

b. from about 1 to 10% of a builder selected from the group consisting of polyphosphates, pyrophosphates, citrates, carbonates, and mixtures thereof;

c. from about 0.2% to 2% of an amine selected from the group consisting of monoethanolamine, diethanolamine, triethanolamine and mixtures thereof;

d. water; and

e. further comprising from about 3 to 50% of a solvent, which solvent is selected from the groups consisting of:

i) sulfolane, propylene glycol monoethyl ether acetate, dipropylene glycol monomethyl ether

acetate, ethylene glycol monoethyl ether acetate, diethylene glycol monoethyl ether acetate, diethylene glycol dimethyl ether, ethylene glycol dimethyl ether, diethylene glycol diethyl ether, and mixtures thereof;

ii) diethylene glycol monobutyl ether, ethylene glycol monobutyl ether, and N-methyl 2-pyrrolidone and mixtures thereof; and

iii) a mixture of two solvents, the first such solvent comprising 5-17% of an acetate selected from the group consisting of ethyl acetate and n-propyl acetate, and the second such solvent comprising 15-34% of a solvent selected from the group consisting of acetone, N-methyl 2-pyrrolidone and methyl ethyl ketone, wherein the ratio of the first solvent to the second solvent may range from 1:4 to 1:2.

Additionally, such formulations may include:

f. from about 3 to 22% of imidazole; and

g. up to 6% of a foam booster, a foam stabilizer, a viscosity adjusting agent, and mixtures thereof.

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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	DE-A-2 300 744 (AMERICAN HOME PRODUCTS CORP.) * Page 1, line 1 - page 2, line 29; page 3, lines 4-6; page 3, line 33 - page 6, line 30 *	1,6-9	C 11 D 3/43 C 11 D 3/30
A	---	2,4,5, 10,12, 13,18, 20,22	
A	US-A-4 105 574 (V. CULMONE) * Whole document *	1,4-10, 12,13, 20,22	
A	--- EP-A-0 105 063 (THE PROCTER AND GAMBLE COMP.) * Claims 1-8; page 5, lines 23-30; page 10, line 29 - page 11, line 25; page 21, line 30 - page 22, line 5; page 31, example 6 *	1,2,4-8 ,10,11, 17-19, 25	
D,A	--- US-A-4 477 288 (T.F. KAZMIERCZAK) * Claims 1,7,14-18; column 5, lines 20-31 *	1,3-5,7 ,9-15, 22,24, 27	TECHNICAL FIELDS SEARCHED (Int. Cl.4) C 11 D
A	--- US-A-3 856 695 (R. GEISS) * Claims 1,6,12,14 *	1,18	
A	--- BE-A- 665 532 (COLGATE PALMOLIVE COMP.) * Page 2, line 30 - page 3, line 8; claims 1,4 *	1,4,17	

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21-02-1990	Examiner HILGENGA K.J.
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			