

Title (en)
PASTELIKE DETERGENT AND CLEANING AGENT

Title (de)
PASTENFÖRMIGES WASCH- UND REINIGUNGSMITTEL

Title (fr)
PRODUIT DETERGENT ET NETTOYANT A L'ETAT PATEUX

Publication
EP 0954559 A1 19991110 (DE)

Application
EP 98907965 A 19980121

Priority
• DE 19703364 A 19970130
• EP 9800299 W 19980121

Abstract (en)
[origin: US6329333B1] A paste-form detergent and process of making the detergent is presented. The detergent is composed of: 5 to 30 percent by weight of an ethoxylated alcohol of the formula $R1-(OC_2H_4)_m-OH$ where R1 is an alkyl or alkenyl group containing 9 to 15 carbon atoms and the average degree of ethoxylation m is 1 to 8; 1 to 20 percent by weight of an ethoxylated alcohol of the formula $R2-(OC_2H_4)_n-OH$ where R2 is an alkyl or alkenyl group containing 12 to 22 carbon atoms and the average degree of ethoxylation n is 3 to 14, and n is greater than m by at least 1.0; 1 to 20 percent by weight of an alcohol or alkyl ether corresponding to the formula $R3-O-R4$ where R3 is an alkyl or alkenyl group containing 6 to 22 carbon atoms and R4 is hydrogen or an alkyl group containing 1 to 6 carbon atoms; 20 to 80 percent by weight of an alkalizing agent, and 0 to 15 percent by weight of an organic builder. The paste-form detergent is useful in institutional laundries and results in a reduced tendency to foam at the rinsing and pressing stage.

IPC 1-7
C11D 17/04; **C11D 1/722**

IPC 8 full level
C11D 1/722 (2006.01); **C11D 1/825** (2006.01); **C11D 1/83** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01); **C11D 17/04** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP US)
C11D 1/8255 (2013.01 - EP US); **C11D 1/8305** (2013.01 - EP US); **C11D 3/3765** (2013.01 - EP US); **C11D 10/04** (2013.01 - EP US); **C11D 17/003** (2013.01 - EP US); **C11D 1/04** (2013.01 - EP US); **C11D 1/146** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/29** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
US 6329333 B1 20011211; AT E226627 T1 20021115; CA 2278743 A1 19980806; CA 2278743 C 20070515; DE 19703364 A1 19980806; DE 59806048 D1 20021128; EP 0954559 A1 19991110; EP 0954559 B1 20021023; ES 2185149 T3 20030416; HU P0001025 A2 20000928; HU P0001025 A3 20030228; PL 186322 B1 20031231; PL 334944 A1 20000327; SK 101799 A3 20000516; WO 9833881 A1 19980806

DOCDB simple family (application)
US 35540499 A 19991018; AT 98907965 T 19980121; CA 2278743 A 19980121; DE 19703364 A 19970130; DE 59806048 T 19980121; EP 9800299 W 19980121; EP 98907965 A 19980121; ES 98907965 T 19980121; HU P0001025 A 19980121; PL 33494498 A 19980121; SK 101799 A 19980121