

Title (en)
WASHING AND CLEANING POWDER

Title (de)
PULVERFÖRMIGES WASCH- UND REINIGUNGSMITTEL

Title (fr)
POUDRE DE LAVAGE ET DE NETTOYAGE

Publication
EP 0736083 B1 19990804 (DE)

Application
EP 95905070 A 19941215

Priority
• DE 4344490 A 19931224
• EP 9404173 W 19941215

Abstract (en)
[origin: WO9518208A1] Described is a washing and cleaning powder containing a surfactant, cellulase and a builder and including 0.15 to 10 % by wt. of a soil-release polymer containing ethylene terephthalate groups of the formula (I) and poly(ethylene oxide) terephthalate groups of the formula (II) in which n is a whole number from 17 to 110, the molar ratio of ethylene terephthalate to poly(ethylene oxide) terephthalate in the polymer being from about 50:50 to about 90:10, the polymer further containing cellulase at a concentration of 0.05 to 1,5 IU/g plus 1 to 40 % by wt. of terpolymers composed of the monomer units of two ethylenically unsaturated carboxylic acids and/or their salts while the third monomer unit is vinyl alcohol and/or a vinyl alcohol derivative or a carbohydrate. Such powders have improved cleaning power.

IPC 1-7
C11D 3/37; **C11D 3/386**

IPC 8 full level
C11D 3/00 (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP)
C11D 3/0036 (2013.01); **C11D 3/3715** (2013.01); **C11D 3/3761** (2013.01); **C11D 3/38645** (2013.01)

Designated contracting state (EPC)
AT BE CH DE ES FR IT LI NL

DOCDB simple family (publication)
WO 9518208 A1 19950706; AT E182922 T1 19990815; DE 4344490 A1 19950629; DE 59408596 D1 19990909; EP 0736083 A1 19961009; EP 0736083 B1 19990804

DOCDB simple family (application)
EP 9404173 W 19941215; AT 95905070 T 19941215; DE 4344490 A 19931224; DE 59408596 T 19941215; EP 95905070 A 19941215