

Title (en)  
WASH CYCLE UNIT DOSE SOFTENER

Title (de)  
WÄSCHEWEICHSPÜLMITTEL ENTHALTENDE DOSIERUNGSEINHEIT ZUR VERWENDUNG IN EINEM WASCHGANG

Title (fr)  
ADOUCISSANT A DOSE UNITAIRE POUR UN CYCLE DE LAVAGE

Publication  
**EP 1276838 A1 20030122 (EN)**

Application  
**EP 01928774 A 20010423**

Priority  
• US 0113079 W 20010423  
• US 55882200 A 20000426  
• US 62051500 A 20000720  
• US 68575600 A 20001009

Abstract (en)  
[origin: WO0183663A1] A unit dose wash cycle fabric softening composition for softening or conditioning fabrics in the wash cycle of an automatic washing machine, said unit dose comprising (a) a compacted granular fabric softener composition, the amount of (a) being sufficient to form a unit dose capable of providing effective softening or conditioning of fabrics in the wash cycle of said washing machine, and wherein said fabric softener composition comprises a treated montmorillonite-containing clay selected to have initial properties as follows: (i) a montmorillonite content of at least 85 %; and (ii) when said clay is activated with sodium ions, dried and ground to particles, said ground particles do not swell more than about 2.5 fold over a period of 24 hours when added to deionized water at room temperature; and wherein said montmorillonite-containing clay is treated by the process comprising the following sequential steps: (a) drying said clay to a moisture content of from about 25 to about 35%, by weight; (b) extruding the dried material through a die to form a paste; (c) drying said paste to a moisture content of from about 10 % to about 14 % by weight; and (d) calcining at a temperature of about 120 DEG C to about 250 DEG C.

IPC 1-7  
**C11D 3/00; C11D 17/00**

IPC 8 full level  
**D06F 35/00** (2006.01); **C11D 1/66** (2006.01); **C11D 3/00** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 3/382** (2006.01); **C11D 17/00** (2006.01); **C11D 17/04** (2006.01); **C11D 17/06** (2006.01); **D06M 11/00** (2006.01); **D06M 13/144** (2006.01); **D06M 13/224** (2006.01); **D06M 15/643** (2006.01)

CPC (source: EP)  
**C11D 1/667** (2013.01); **C11D 3/001** (2013.01); **C11D 3/126** (2013.01); **C11D 17/0073** (2013.01); **C11D 17/044** (2013.01)

Citation (search report)  
See references of WO 0183663A1

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

DOCDB simple family (publication)  
**WO 0183663 A1 20011108**; AT E340843 T1 20061015; AU 2001255595 B2 20050630; AU 5559501 A 20011112; BR 0110349 A 20040622; CA 2405727 A1 20011108; CN 1439047 A 20030827; DE 60123414 D1 20061109; DE 60123414 T2 20070823; DK 1276838 T3 20070205; EP 1276838 A1 20030122; EP 1276838 B1 20060927; HK 1053143 A1 20031010; HK 1053143 B 20070427; JP 2003531969 A 20031028; MX PA02010286 A 20030425

DOCDB simple family (application)  
**US 0113079 W 20010423**; AT 01928774 T 20010423; AU 2001255595 A 20010423; AU 5559501 A 20010423; BR 0110349 A 20010423; CA 2405727 A 20010423; CN 01811701 A 20010423; DE 60123414 T 20010423; DK 01928774 T 20010423; EP 01928774 A 20010423; HK 03105255 A 20030721; JP 2001580273 A 20010423; MX PA02010286 A 20010423