

Title (en)
PROCESS FOR MAKING HIGH DENSITY DETERGENT

Title (de)
VERFAHREN ZUR HERSTELLUNG VON WASCHMITTELN MIT HOHER DICHT

Title (fr)
PROCEDE DE FABRICATION D'UN DETERGENT HAUTE DENSITE

Publication
EP 0918843 B1 20020911 (EN)

Application
EP 97935094 A 19970730

Priority
• US 9712948 W 19970730
• US 2390296 P 19960814

Abstract (en)
[origin: WO9806816A1] A process for producing high density detergent compositions is provided. The process is a continuous process during which high density detergent agglomerates are produced by feeding a surfactant paste and dry starting detergent material into a mixer/densifier having a centrally positioned rotating shaft which experiences minimal vibration via the use of tuned dampers mounted on the shaft. The process produces a free flowing, high density detergent composition which can be commercially sold as a low dosage or "compact" detergent composition.

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C11D 11/00; **C11D 17/06**

IPC 8 full level
C11D 11/00 (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)
C11D 11/0082 (2013.01); **C11D 17/065** (2013.01)

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WO 9806816 A1 19980219; AR 009078 A1 20000308; AT E223962 T1 20020915; BR 9713167 A 20000201; CA 2263748 A1 19980219; CA 2263748 C 20020924; CN 1120230 C 20030903; CN 1232494 A 19991020; DE 69715428 D1 20021017; DE 69715428 T2 20030807; EP 0918843 A1 19990602; EP 0918843 B1 20020911; ES 2179357 T3 20030116; JP 2000500816 A 20000125; JP 3696889 B2 20050921

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US 9712948 W 19970730; AR P970103698 A 19970813; AT 97935094 T 19970730; BR 9713167 A 19970730; CA 2263748 A 19970730; CN 97198597 A 19970730; DE 69715428 T 19970730; EP 97935094 A 19970730; ES 97935094 T 19970730; JP 50973998 A 19970730