

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.

IPC 1-7

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

IPC 8 full level

**C11D 11/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

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Cited by

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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