

Title (en)

Granular detergent compositions having improved solubility.

Title (de)

Granulierte Reinigungsmittel mit Löslichkeit.

Title (fr)

Compositions détergentes granulées à solubilité.

Publication

EP 0220024 A2 19870429 (EN)

Application

EP 86307798 A 19861009

Priority

US 78593385 A 19851009

Abstract (en)

Spray dried detergent granules containing high levels of certain surfactants are compacted under certain conditions and admixed with other ingredients to form dense, rapidly dissolving detergent compositions.

IPC 1-7

C11D 1/37; **C11D 3/08**; **C11D 11/02**

IPC 8 full level

C11D 1/12 (2006.01); **C11D 1/37** (2006.01); **C11D 3/04** (2006.01); **C11D 3/06** (2006.01); **C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 10/02** (2006.01); **C11D 11/00** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01)

CPC (source: EP)

C11D 1/37 (2013.01); **C11D 3/08** (2013.01); **C11D 11/02** (2013.01); **C11D 17/065** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01)

Cited by

EP0753571A1; US6635610B1; DE3624336A1; US6747000B2; US6069124A; US5030379A; EP0342043A3; EP0513824A3; US5468516A; US5587104A; GB2217340A; AU730912B2; EP2787064A3; EP0456315A3; US5298183A; US5324455A; US5133924A; US6294512B1; WO2005105976A1; WO9629390A1; WO9936503A1; WO0018856A1; US6191095B1; US6303558B1; US6221831B1; EP0349200B1; EP0349201B1; WO0037595A1; WO9520035A1; WO2009115380A1; WO9854287A1; EP0741776B2

Designated contracting state (EPC)

AT BE CH DE FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0220024 A2 19870429; **EP 0220024 A3 19881109**; **EP 0220024 B1 19930804**; AU 582519 B2 19890323; AU 6359786 A 19870416; CA 1275019 A 19901009; DE 3688821 D1 19930909; DE 3688821 T2 19940310; JP H07116476 B2 19951213; JP S62169900 A 19870727; NZ 217877 A 19891027

DOCDB simple family (application)

EP 86307798 A 19861009; AU 6359786 A 19861008; CA 520140 A 19861008; DE 3688821 T 19861009; JP 24112886 A 19861009; NZ 21787786 A 19861009