

Title (en)

Detergent granules and a process for their preparation.

Title (de)

Detergens-Granulate und Verfahren zu ihrer Zubereitung.

Title (fr)

Détergents granulaires et leur procédé de préparation.

Publication

EP 0267042 A2 19880511 (EN)

Application

EP 87309829 A 19871106

Priority

- GB 8626690 A 19861107
- GB 8703867 A 19870219
- GB 8711422 A 19870514

Abstract (en)

Detergent powders built with alkali metal carbonate and containing both sodium silicate and a calcium carbonate seed crystal material such as calcite are prepared by granulating a carbonate/silicate base powder with the seed crystal material, ideally in the presence of a liquid binder such as sucrose solution.

IPC 1-7

C11D 3/08; **C11D 3/10**; **C11D 3/12**; **C11D 3/22**; **C11D 11/02**

IPC 8 full level

C11D 3/08 (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 3/22** (2006.01)

CPC (source: EP KR)

C11D 3/08 (2013.01 - EP); **C11D 3/10** (2013.01 - EP KR); **C11D 3/1233** (2013.01 - EP); **C11D 3/221** (2013.01 - EP); **C11D 3/225** (2013.01 - EP)

Cited by

US5030379A; CN107754724A; GB2238315A; US5518646A; EP0374017A1; FR2640255A1; US5798328A; CN1065268C; US6534474B1; WO2007101622A1; WO9522592A1; WO2010069718A1; WO02102950A1; WO9322411A1; WO9502679A1; WO9617045A1; US10626350B2; US11268045B2; US11746304B2; WO9502678A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0267042 A2 19880511; **EP 0267042 A3 19900321**; AU 597743 B2 19900607; AU 8065887 A 19880512; BR 8705964 A 19880614; CA 1303939 C 19920623; IN 166992 B 19900818; KR 880006353 A 19880722; KR 900004538 B1 19900629; MY 102396 A 19920617; TR 23594 A 19900420; TR 23839 A 19900926

DOCDB simple family (application)

EP 87309829 A 19871106; AU 8065887 A 19871104; BR 8705964 A 19871106; CA 550792 A 19871102; IN 335BO1987 A 19871103; KR 870012546 A 19871107; MY PI19872752 A 19871001; TR 75087 A 19871102; TR 75089 A 19891109