

Title (en)
Detergent particles

Title (de)
Waschmittelteilchen

Title (fr)
Particules de détergent

Publication
EP 1529833 A1 20050511 (EN)

Application
EP 03257082 A 20031110

Priority
EP 03257082 A 20031110

Abstract (en)
The present invention relates to spray-dried particles suitable for incorporation into detergent compositions comprising from 10 to 54 wt % (anhydrous basis) zeolite, from 8 to 75 wt % polycarboxylate polymer, and optional additional ingredients to 100 % by weight. The particles have been found to reduce caking of detergent product whilst providing improved cleaning compared with the addition of the polycarboxylate polymer as a separate granule. Preferred particles also include soap. The invention also includes detergent compositions comprising such particles. The particles may be incorporated into a finished detergent composition as part of an agglomerate or extrudate.

IPC 1-7
C11D 3/12; **C11D 3/37**; **C11D 11/02**

IPC 8 full level
C11D 3/02 (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 11/02** (2006.01)

CPC (source: EP US)
C11D 3/046 (2013.01 - EP US); **C11D 3/128** (2013.01 - EP US); **C11D 3/3761** (2013.01 - EP US); **C11D 11/02** (2013.01 - EP US)

Citation (search report)

- [X] EP 0640684 A1 19950301 - COLGATE PALMOLIVE CO [US]
- [X] WO 9213937 A1 19920820 - HENKEL KGAA [DE]
- [X] EP 0270240 A2 19880608 - UNILEVER PLC [GB], et al
- [X] EP 0137669 A1 19850417 - PROCTER & GAMBLE [US], et al
- [A] EP 0063399 A1 19821027 - PROCTER & GAMBLE [US]
- [DA] EP 0421664 A2 19910410 - ROHM & HAAS [US]
- [DA] DE 3316513 A1 19841108 - BENCKISER GMBH JOH A [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1529833 A1 20050511; US 2005101503 A1 20050512; WO 2005047442 A1 20050526

DOCDB simple family (application)
EP 03257082 A 20031110; US 2004037262 W 20041109; US 98516204 A 20041110