

Title (en)
Spray-dried detergent powder

Title (de)
Sprühgetrocknetes Waschmittelpulver

Title (fr)
Poudre de détergent séchée par pulvérisation

Publication
EP 2801609 A1 20141112 (EN)

Application
EP 13166778 A 20130507

Priority
EP 13166778 A 20130507

Abstract (en)
A spray-dried powder comprising (i) from 20 to 80wt% of a first spray-dried particle comprising less than 5wt% sulphate, anionic deterative surfactant, and having a bulk density of from 120g/l to 450g/l; and (ii) from 20 to 80wt% of a second spray-dried particle comprising at least 45wt% sulphate, sodium hydroxide and having a bulk density of from 350g/l to 700g/l.

IPC 8 full level
C11D 17/06 (2006.01); **C11D 1/12** (2006.01); **C11D 3/04** (2006.01); **C11D 3/37** (2006.01); **C11D 11/00** (2006.01); **C11D 11/02** (2006.01)

CPC (source: EP)
C11D 1/12 (2013.01); **C11D 3/044** (2013.01); **C11D 3/046** (2013.01); **C11D 3/3753** (2013.01); **C11D 3/3761** (2013.01); **C11D 11/02** (2013.01); **C11D 17/06** (2013.01); **C11D 2111/12** (2024.01)

Citation (applicant)
BE 680847 A 19661114

Citation (search report)
• [IY] EP 0289311 A2 19881102 - UNILEVER PLC [GB], et al
• [Y] EP 1914297 A1 20080423 - PROCTER & GAMBLE [US]
• [A] EP 2336289 A1 20110622 - PROCTER & GAMBLE [US]
• [Y] EP 1566431 A1 20050824 - PROCTER & GAMBLE [US]

Cited by
EP3075823A1; EP4389863A1; US2023042815A1; US9951296B2; US9957466B2; US9951301B2; WO2016160863A1; US9957470B2; US10053654B2

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
EP 13166778 A 20130507; US 2014034464 W 20140417