

Title (en)

Granular additive containing nonionic surfactants for detergent and cleaning agents with improved rinsing properties

Title (de)

Körniges, nichtionische Tenside enthaltendes Additiv für Wasch- und Reinigungsmittel mit verbessertem Einspülverhalten

Title (fr)

Additif granulaire contenant un agent tensioactif pour détergent et agent de nettoyage avec des propriétés de rinçage améliorées

Publication

EP 0425804 B1 19960807 (DE)

Application

EP 90117749 A 19900914

Priority

DE 3936405 A 19891102

Abstract (en)

[origin: EP0425804A2] The invention relates to a granular additive for granular detergents and cleaning agents, consisting of a granular adsorbent (I) and, adsorbed thereon, non-ionic surfactants (II) from the class of polyglycol ether derivatives, where component (I) has the following composition based on anhydrous substance: (a) 50 to 75 % by weight of microcrystalline zeolite, (b) 2 to 10 % by weight of a sheet silicate and (c) 2.5 to 10 % by weight of the sodium salt of a (co)polymeric carboxylic acid. The remainder consists of up to 10 % by weight of sodium sulphate and of water and minor constituents. The ratio of adsorbent (I) to non-ionic surfactant (II) is 2 : 1 to 20 : 1 by weight. The agents have improved rinsing properties in domestic washing machines.

IPC 1-7

C11D 3/12; **C11D 3/37**; **C11D 3/00**

IPC 8 full level

C11D 3/00 (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

C11D 3/126 (2013.01); **C11D 3/128** (2013.01); **C11D 3/3761** (2013.01)

Cited by

TR27896A; GB2339203A; EP0897976A3; EP0582478A3; TR26864A; GB2315768A; AU649504B2; EP0477974A3; US5705473A; WO9319151A1; WO9506705A1; WO9114762A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0425804 A2 19910508; **EP 0425804 A3 19910703**; **EP 0425804 B1 19960807**; AT E141100 T1 19960815; DE 3936405 A1 19910508; DE 59010440 D1 19960912; ES 2090070 T3 19961016

DOCDB simple family (application)

EP 90117749 A 19900914; AT 90117749 T 19900914; DE 3936405 A 19891102; DE 59010440 T 19900914; ES 90117749 T 19900914