

Title (en)

WASHING OR CLEANING AGENT WITH AMORPHOUS SILICATE BUILDERS

Title (de)

WASCH- ODER REINIGUNGSMITTEL MIT AMORPHEN SILIKATISCHEN BUILDERSUBSTANZEN

Title (fr)

DETERGENTS OU NETTOYANTS COMPORTANT DES ADJUVANTS AMORPHES DE TYPE SILICATE

Publication

EP 0784665 A1 19970723 (DE)

Application

EP 95935391 A 19950927

Priority

- DE 4435632 A 19941006
- EP 9503821 W 19950927

Abstract (en)

[origin: DE4435632A1] The object of the invention is to prepare washing or cleaning agents, especially washing agents with apparent densities of over 500 g/l, which contain water-soluble silicate builders superimposed on the crystalline layered disilicates in these compositions. This is achieved by agents containing anionic and non-ionic tenside, inorganic builders and possibly organic co-builders, in which the inorganic builder in these agents is a spray-dried and then compressed and ground silicate in quantities of over 10 wt.% and organic co-builders in quantities of 0 to under 20 wt.%.

IPC 1-7

C11D 3/08; C11D 1/83; C11D 3/12

IPC 8 full level

C11D 3/08 (2006.01)

CPC (source: EP)

C11D 3/08 (2013.01)

Citation (examination)

- EP 0444415 A1 19910904 - HOECHST AG [DE]
- EP 0488868 A2 19920603 - RHONE POULENC CHIMIE [FR]
- EP 0561656 A1 19930922 - RHONE POULENC CHIMIE [FR]
- EP 0157618 A2 19851009 - PUREX CORP [US]
- Produktbeschreibung "BRITESIL (R) und DIZZIL (R)" von Akzo Chemicals Division, 5/92
- Soap/Cosmetics/Chemical Specialties, Mai 1972, "Polysilicates as Detergent Builders" von H. Weldes, Seiten 72, 74, 76, 78, 80, 96, 98

Citation (third parties)

Third party :

- H.WELDES: "Polysilicates as Detergent Builders", SOAP/COSMETICS/CHEMICAL SPECIALTIES, May 1972 (1972-05-01), pages 72 - 98
- See also references of WO 9611251A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DE 4435632 A 19941006; CZ 104097 A 19950927; EP 9503821 W 19950927; EP 95935391 A 19950927; HU 9701724 A 19950927; PL 31858895 A 19950927