

Title (en)

GRANULAR ADDITIVE FOR WASHING AND CLEANING AGENTS.

Title (de)

GRANULARES ADDITIV FÜR WASCH- UND REINIGUNGSMITTEL.

Title (fr)

ADDITIF GRANULE POUR PRODUITS DE LAVAGE ET DE NETTOYAGE.

Publication

**EP 0571436 B1 19950621 (DE)**

Application

**EP 92904218 A 19920203**

Priority

- DE 4104085 A 19910211
- EP 9200227 W 19920203

Abstract (en)

[origin: WO9213937A1] The granular additive disclosed, which may be used to pretreat hard water or employed together with washing and cleaning agents, contains 40-75 % by wt. of the sodium salts of at least one homopolymer or copolymer of methacrylic acid, 1-35 % by wt. of a finely crystalline synthetic zeolite containing bound water, 2-20 % by wt. of sodium sulphate (calculated as the anhydrous salt) and 1-15 % by wt. of water. The granulate initially produced preferably by spray drying is compacted under the action of pressure to give a granulate with a bulk density between 500 and 900 g/l, without affecting the free-running or storage characteristics of the granulate.

IPC 1-7

**C11D 3/37**; **C11D 3/12**; **C11D 17/06**

IPC 8 full level

**C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

**C11D 3/128** (2013.01); **C11D 3/3761** (2013.01); **C11D 17/065** (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR IT LI NL

DOCDB simple family (publication)

**WO 9213937 A1 19920820**; AT E124081 T1 19950715; DE 4104085 A1 19920813; DE 59202625 D1 19950727; EP 0571436 A1 19931201; EP 0571436 B1 19950621; ES 2073291 T3 19950801

DOCDB simple family (application)

**EP 9200227 W 19920203**; AT 92904218 T 19920203; DE 4104085 A 19910211; DE 59202625 T 19920203; EP 92904218 A 19920203; ES 92904218 T 19920203