

Title (en)

Stable aqueous zeolite suspensions, their fabrication process and use

Title (de)

Stabile wässrige Zeolithsuspensionen, deren Herstellung und deren Verwendung

Title (fr)

Suspensions aqueuses stables de zéolithes, leurs procédés d'obtention et leurs utilisations

Publication

EP 0577525 B1 19960221 (FR)

Application

EP 93420238 A 19930611

Priority

FR 9208398 A 19920701

Abstract (en)

[origin: EP0577525A1] Stable aqueous zeolite suspensions containing, as stabilising agent, a copolymer consisting of at least one acrylic monomer containing a carboxyl functional group, at least one acrylic and/or vinyl monomer without a carboxyl functional group and at least one oxyalkylenated monomer containing ethylenic unsaturation and terminated by a hydrophobic fatty chain having 12 to 40 carbon atoms. Processes for the preparation of these suspensions by mixing or by reaction during the process for the manufacture of zeolites. Use of these aqueous zeolite suspensions in detergency and as sequestering agents.

IPC 1-7

C11D 3/12; C01B 33/36

IPC 8 full level

B01F 17/52 (2006.01); **C09K 23/52** (2022.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP US)

C11D 3/1286 (2013.01 - EP US); **C11D 3/3765** (2013.01 - EP US)

Cited by

FR2950061A1; EP1997838A3; EP0826769A1; FR2752584A1; US5880085A; WO2011030191A1; EP1270617B1; EP0577526B1

Designated contracting state (EPC)

BE CH DE ES GB IT LI

DOCDB simple family (publication)

EP 0577525 A1 19940105; **EP 0577525 B1 19960221**; CA 2096084 A1 19940102; CA 2096084 C 20000815; DE 69301585 D1 19960328; DE 69301585 T2 19961002; ES 2083840 T3 19960416; FR 2693127 A1 19940107; FR 2693127 B1 19940826; HK 1006033 A1 19990205; US 5423999 A 19950613; US 5474702 A 19951212

DOCDB simple family (application)

EP 93420238 A 19930611; CA 2096084 A 19930512; DE 69301585 T 19930611; ES 93420238 T 19930611; FR 9208398 A 19920701; HK 98105170 A 19980611; US 35481194 A 19941208; US 8325593 A 19930629