

Title (en)

Na A-type zeolite powder for use in liquid detergents.

Title (de)

Zeolithpulver des Typs NaA für die Verwendung in Flüssigwaschmitteln.

Title (fr)

Zéolite Na A en poudre pour l'utilisation dans les produits détergents liquides.

Publication

EP 0357989 B1 19950208 (DE)

Application

EP 89114795 A 19890810

Priority

- DE 3827360 A 19880812
- EP 89109796 A 19890531

Abstract (en)

[origin: EP0357989A1] Na A-type zeolite powder characterised by a median particle size (= 50% point) of 1.6 to 3.2 μm measured with a Cilas 715 granulometer. This zeolite powder is employed as phosphate substitute in liquid detergents.

IPC 1-7

C11D 3/12; C01B 39/02

IPC 8 full level

C11D 3/12 (2006.01)

CPC (source: EP)

C11D 3/128 (2013.01)

Citation (examination)

EP 0013417 A1 19800723 - HENKEL KGAA [DE], et al

Cited by

CN1092603C; US6432380B1; US6357678B1; US7037352B2; US6221835B1; WO9304155A1; WO9634828A1; WO0100528A1; WO0053709A1; WO0053710A1; WO9400545A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0357989 A1 19900314; **EP 0357989 B1 19950208**; AT E118243 T1 19950215

DOCDB simple family (application)

EP 89114795 A 19890810; AT 89114795 T 19890810