

Title (en)
Zeolite as a detergent aid.

Title (de)
Zeolith als Reinigungshilfsmittel.

Title (fr)
Zeolite comme auxiliaire de détergence.

Publication
EP 0098187 A1 19840111 (FR)

Application
EP 83401175 A 19830609

Priority
FR 8210638 A 19820618

Abstract (en)
[origin: US4519933A] Type A, especially type 4A zeolites are well adapted as detergent builders, said zeolites comprising (i) primary particles having a mean particle diameter ranging from 0.1 to 10 μ m, (ii) a cation exchange capacity in excess of about 100 mg CaCO₃/g of anhydrous material, and (iii) a rate constant, relative to the surface area of the zeolite per liter of wash solution, in excess of about 0.15 s⁻¹ l m⁻². The builders are prepared by first determining the value of the rate constant for a given zeolite sample. Since a higher rate constant value corresponds to a lower degree of salt incrustation on fabrics, only those zeolites having a value above the predetermined minimum will be incorporated into detergents. Thus, zeolites otherwise appearing identical can be differentiated, with only those not causing high levels of incrustation being selected.

Abstract (fr)
La présente invention a trait à un Zéolite comme auxiliaire de détergence de type A, notamment 4 A. Elle caractérisée par le fait qu'elle présente: - un diamètre moyen des particules primaires compris entre 0,1 et 10 μ u. - un pouvoir d'échange de cations supérieur à 100 mg CaCO₃/g de produit anhydre, - une constante de vitesse, rapportée à la surface de la zéolite par litre de solution supérieure à 0,15 s⁻¹ 1m⁻² et de préférence supérieure à 0,25⁻¹ s⁻¹ 1m⁻². Elle s'applique dans les formules lessivielle.

IPC 1-7

C11D 3/12

IPC 8 full level

C11D 3/12 (2006.01)

CPC (source: EP KR US)

C11D 3/12 (2013.01 - KR); **C11D 3/12B** (2013.01 - EP US)

Citation (search report)

- [A] FR 2283220 A1 19760326 - PROCTER & GAMBLE [US]
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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0098187 A1 19840111; EP 0098187 B1 19860827; AT E21704 T1 19860915; BR 8303216 A 19840131; CA 1190204 A 19850709; DE 3365635 D1 19861002; DK 280283 A 19831219; DK 280283 D0 19830617; FI 73729 B 19870731; FI 73729 C 19871109; FI 832225 A0 19830617; FI 832225 L 19831219; FR 2528722 A1 19831223; FR 2528722 B1 19841207; IE 55459 B1 19900926; IE 831434 L 19831218; JP S5956497 A 19840331; KR 840004939 A 19841031; KR 880000857 B1 19880526; NO 160719 B 19890213; NO 160719 C 19890524; NO 832174 L 19831219; PT 76886 A 19830701; PT 76886 B 19860124; US 4519933 A 19850528; YU 134683 A 19860228

DOCDB simple family (application)

EP 83401175 A 19830609; AT 83401175 T 19830609; BR 8303216 A 19830617; CA 430597 A 19830617; DE 3365635 T 19830609; DK 280283 A 19830617; FI 832225 A 19830617; FR 8210638 A 19820618; IE 143483 A 19830617; JP 10911883 A 19830617; KR 830001953 A 19830507; NO 832174 A 19830616; PT 7688683 A 19830617; US 50191583 A 19830607; YU 134683 A 19830617