

## Title (en)

Builder based on silicate and a mineral product

## Title (de)

Builder auf Basis von Silikat und anorganischer Verbindung

## Title (fr)

Agent "builder" à base de silicate et d'un produit minéral

## Publication

**EP 0561656 B1 19970723 (FR)**

## Application

**EP 93400359 A 19930212**

## Priority

FR 9203350 A 19920320

## Abstract (en)

[origin: EP0561656A1] "Builder" agent, for a detergent composition, consisting of an aqueous solution of an alkali metal silicate, in particular of sodium or potassium, with an SiO<sub>2</sub>/M<sub>2</sub>O molar ratio of the order of 1.6 to 4, and of an inorganic product, inert with respect to the silicate, the said inorganic product representing from 5 to less than 55 % of the total weight expressed on a dry basis and the remaining water in combination with the silicate/silicate expressed on a dry basis ratio by weight being greater than or equal to 33/100, preferably greater than or equal to 36/100. Use of this builder agent in detergent compositions, more particularly in powder detergent compositions, in particular for washing machines and dishwashers.

## IPC 1-7

**C11D 3/08**

## IPC 8 full level

**C01B 33/32** (2006.01); **B01J 2/04** (2006.01); **B01J 2/28** (2006.01); **C01B 39/06** (2006.01); **C01D 7/38** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01); **C11D 17/06** (2006.01); **B01J 2/12** (2006.01)

## CPC (source: EP KR)

**C11D 3/08** (2013.01 - EP KR)

## Citation (examination)

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- GB 1396215 A 19750604 - DIAMOND SHAMROCK CORP
- US 4427417 A 19840124 - PORASIK PAUL A [US]
- GB 136841 A
- US 3895995 A 19750722 - SPENCER ROBERT W, et al

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## DOCDB simple family (publication)

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