

Title (en)  
Builder composition

Title (de)  
Builder-Zusammensetzung

Title (fr)  
Composition d' adjuvant

Publication  
**EP 1205537 B1 20060308 (DE)**

Application  
**EP 01126163 A 20011103**

Priority  
DE 10056346 A 20001114

Abstract (en)  
[origin: EP1205537A2] Builder compositions are obtained by contacting (A) a crystalline layered Na silicate; (B) water; and (C) an acid H<+>-yielding component, the molar ratio (A) : total available H<+> from (C) being 4-1,000:1 and the molar ratio of water (B): total available H<+> from (C) being 3-1,000:1. Builder compositions are obtained by contacting (A) a crystalline layered Na silicate of formula (I); (B) water; and (C) an acid H<+>-yielding component, the molar ratio (A): total available H<+> from (C) being 4-1,000:1 and the molar ratio of water (B): total available H<+> from (C) being 3-1,000:1. NaMSixO2x+1 asterisk yH2O (I) M = Na or H; x = 1.9-4; y = 0-20.

IPC 8 full level  
**C11D 3/02** (2006.01); **C11D 3/08** (2006.01); **C11D 3/12** (2006.01); **C11D 3/20** (2006.01); **C11D 3/36** (2006.01); **C11D 3/37** (2006.01); **C11D 3/395** (2006.01); **C11D 3/40** (2006.01); **C11D 7/08** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP US)  
**C11D 3/042** (2013.01 - EP US); **C11D 3/1273** (2013.01 - EP US); **C11D 3/2075** (2013.01 - EP US); **C11D 3/361** (2013.01 - EP US); **C11D 3/364** (2013.01 - EP US); **C11D 3/3761** (2013.01 - EP US); **C11D 3/378** (2013.01 - EP US); **C11D 17/0073** (2013.01 - EP US)

Cited by  
EP1253189A3; DE102004063801A1; US6908896B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1205537 A2 20020515; EP 1205537 A3 20020619; EP 1205537 B1 20060308**; DE 10056346 A1 20020516; DE 50109142 D1 20060504; ES 2259641 T3 20061016; JP 2002180089 A 20020626; US 2002155982 A1 20021024; US 6844310 B2 20050118

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