

Title (en)  
Builder composition

Title (de)  
Bauzusammensetzung

Title (fr)  
Composition d'adjivant

Publication  
**EP 2154233 B1 20100922 (EN)**

Application  
**EP 08168065 A 20081031**

Priority  
IN 1723MU2008 A 20080814

Abstract (en)  
[origin: EP2154233A1] The present invention provides an effective builder composition comprising two precipitating builders which are (a) an alkali metal carbonate and (b) an alkali metal silicate; calcium carbonate; and a building enhancer. This building enhancer is a compound capable of precipitating magnesium ions from hard water selected from the group comprising alkali or alkaline earth metal oxides or hydroxides and alkali metal aluminate, zincate or titanate.

IPC 8 full level  
**C11D 3/02** (2006.01); **C11D 3/10** (2006.01); **C11D 3/12** (2006.01)

CPC (source: EP)  
**C11D 3/044** (2013.01); **C11D 3/10** (2013.01); **C11D 3/1213** (2013.01); **C11D 3/1233** (2013.01); **C11D 3/1246** (2013.01)

Cited by  
WO2011147646A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2154233 A1 20100217; EP 2154233 B1 20100922**; AR 073026 A1 20101006; AT E482264 T1 20101015; BR PI0917258 A2 20151110;  
CL 2011000310 A1 20110805; CN 102124091 A 20110713; CN 102124091 B 20130213; DE 602008002756 D1 20101104;  
EA 017243 B1 20121030; EA 201100348 A1 20110830; ES 2353470 T3 20110302; MX 2011001665 A 20110325; WO 2010018043 A1 20100218;  
ZA 201100431 B 20120328

DOCDB simple family (application)  
**EP 08168065 A 20081031**; AR P090103107 A 20090812; AT 08168065 T 20081031; BR PI0917258 A 20090716; CL 2011000310 A 20110211;  
CN 200980131583 A 20090716; DE 602008002756 T 20081031; EA 201100348 A 20090716; EP 2009059134 W 20090716;  
ES 08168065 T 20081031; MX 2011001665 A 20090716; ZA 201100431 A 20110117