

Title (en)  
WET MILLING OF Mg(OH) 2? SLURRY

Title (de)  
NASSVERMAHLUNG EINER AUFSCHLÄMMUNG VON Mg(OH)<sub>2</sub>

Title (fr)  
BROYAGE HUMIDE D'UNE BOUE DE Mg(OH) 2?

Publication  
**EP 1009717 A1 20000621 (EN)**

Application  
**EP 98943256 A 19980820**

Priority  

- US 9817212 W 19980820
- US 5609497 P 19970820
- US 7174898 P 19980116

Abstract (en)  
[origin: WO9908962A1] A method for producing a stabilized magnesium hydroxide slurry involving wet milling a starting magnesium hydroxide slurry. Also disclosed is a stabilized magnesium hydroxide slurry produced by the method and magnesia-based products produced from the wet milled magnesium hydroxide slurry. Washed magnesium hydroxide slurry is either (a) fed directly to a wet mill (1) at a controlled rate for particle size reduction, or (b) introduced to a disk filter (2) to increase percent solids to greater than about 60 %. If the disk filter (2) is used, the discharge is directed to a pug mill (3). Flow is recycled within the pug mill (3) through high-shear mixer (4). The pug mill discharge is collected in purge tank (5). A pump (6) is used to withdraw slurry from surge tank (5) and feed wet mill (1) at a controlled rate which rate dictates residence time in wet mill (1). This rate can be altered to control particles size reduction. The milled slurry is collected in storage tank (7).

IPC 1-7  
**C01F 5/14**

IPC 8 full level  
**C01F 5/08** (2006.01); **C01F 5/14** (2006.01)

CPC (source: EP)  
**C01F 5/08** (2013.01); **C01F 5/14** (2013.01); **C01P 2004/61** (2013.01); **C01P 2004/62** (2013.01); **C01P 2006/10** (2013.01); **C01P 2006/22** (2013.01)

Cited by  
WO2015058236A1; US10358364B2; US10800683B2; US11401183B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9908962 A1 19990225**; AU 9108798 A 19990308; CA 2300947 A1 19990225; EP 1009717 A1 20000621; EP 1009717 A4 20020619

DOCDB simple family (application)  
**US 9817212 W 19980820**; AU 9108798 A 19980820; CA 2300947 A 19980820; EP 98943256 A 19980820