

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

Title (de)
NASSVERMAHLUNG EINER AUFSCHLÄMMUNG VON Mg(OH)₂

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

Publication
EP 1009717 A4 20020619 (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).

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Citation (search report)

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- [X] WO 9209528 A1 19920611 - LHOIST RECH & DEV SA [BE]
- [A] GB 2076788 A 19811209 - STEETLEY REFRACTORIES LTD
- [A] GB 580367 A 19460905 - MARINE MAGNESIUM PRODUCTS CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 07 31 July 1996 (1996-07-31) & DATABASE WPI Derwent World Patents Index; AN 1996-217050
- See references of WO 9908962A1

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