

Title (en)

PROCESS FOR PRODUCING BENTONITE CLAYS EXHIBITING ENHANCED SOLUTION VISCOSITY PROPERTIES

Publication

**EP 0549693 A4 19931013 (EN)**

Application

**EP 91917187 A 19910909**

Priority

US 58328890 A 19900917

Abstract (en)

[origin: WO9205123A1] A process for upgrading a crude bentonite ore such that it can be used advantageously to prepare unusually high aqueous solution viscosities. This sequence comprises initially subjecting the crude ore to a working or shearing stage, followed by a drying step to about a 5 % moisture level. Na<sub>2</sub>CO<sub>3</sub> is then dry-blended with the material, and the sequence is completed by subjecting the mix to a pulverizing step.

IPC 1-7

**C04B 14/10**; **C04B 14/12**

IPC 8 full level

**A61K 8/19** (2006.01); **A61K 8/23** (2006.01); **A61K 8/24** (2006.01); **A61K 8/25** (2006.01); **A61K 8/26** (2006.01); **A61Q 19/00** (2006.01); **B21B 1/00** (2006.01); **B28C 1/00** (2006.01); **C01B 33/26** (2006.01); **C01B 33/40** (2006.01); **C01B 39/06** (2006.01); **C04B 14/10** (2006.01); **C09K 3/00** (2006.01); **C09K 8/14** (2006.01)

CPC (source: EP KR)

**A61K 8/26** (2013.01 - EP); **A61Q 19/00** (2013.01 - EP); **B28C 1/00** (2013.01 - EP); **C01B 33/26** (2013.01 - KR); **C04B 14/104** (2013.01 - EP); **C09K 8/145** (2013.01 - EP)

Citation (search report)

- [AD] US 4242140 A 19801230 - ALTHER GEORGE R [US]
- [A] US 3509066 A 19700428 - JACOBS DANIEL A, et al
- [AD] US 3574345 A 19710413 - BROCIER RONALD ERIC
- See references of WO 9205123A1

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CN103172077A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

**WO 9205123 A1 19920402**; BR 9106852 A 19930706; CA 2091780 A1 19920318; EP 0549693 A1 19930707; EP 0549693 A4 19931013; JP H06501444 A 19940217; KR 930702227 A 19930908; MX 9101076 A 19920504; ZA 917398 B 19920527

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**US 9106468 W 19910909**; BR 9106852 A 19910909; CA 2091780 A 19910909; EP 91917187 A 19910909; JP 51568291 A 19910909; KR 930700782 A 19930316; MX 9101076 A 19910913; ZA 917398 A 19910917