

Title (en)

CLAY STABILIZATION IN SUB-SURFACE FORMATIONS

Title (de)

TONSTABILISIERUNG IN UNTERIRDISCHEN FORMATIONEN

Title (fr)

STABILISATION DES ARGILES DANS DES FORMATIONS GEOLOGIQUES SOUS-JACENTES

Publication

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Application

**EP 05731196 A 20050324**

Priority

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- US 81233704 A 20040329

Abstract (en)

[origin: US2005215439A1] Compositions and methods of using same for clay stabilization in sub-surface formation are provided. The compositions comprise an aqueous solution of a polymer such as poly(dimethylaminoethylmethacrylate methyl chloride quaternary salt). The present invention can be effectively utilized to inhibit clay swelling for treating and/or pretreating down-hole formations during well stimulation.

IPC 8 full level

**E21B 43/00** (2006.01); **C09K 8/60** (2006.01)

CPC (source: EP US)

**C09K 8/5083** (2013.01 - EP US); **C09K 8/5753** (2013.01 - EP US); **C09K 8/608** (2013.01 - EP US); **C09K 2208/12** (2013.01 - EP US)

Citation (search report)

- [X] EP 0997515 A1 20000503 - KB TECHNOLOGIES LTD [US]
- [X] US 4563292 A 19860107 - BORCHARDT JOHN K [US]
- See references of WO 2005098199A2

Citation (examination)

US 4536305 A 19850820 - BORCHARDT JOHN K [US], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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