

Title (en)

Method and installation for the continuous disposal and processing of water-based, fluid and solid drilling residues.

Title (de)

Verfahren und Anlage zur kontinuierlichen Entsorgung und Aufbereitung von wasserbasischen, flüssigen und festen Bohrrückständen.

Title (fr)

Procédé et installation de dépollution et préparation continues de débris de forage liquides et solides.

Publication

**EP 0384378 B1 19940126 (DE)**

Application

**EP 90103208 A 19900220**

Priority

DE 3905700 A 19890224

Abstract (en)

[origin: EP0384378A1] A process for the disposal and processing of water-based drilling muds, liquid and solid drilling residues and contaminated waters is characterised by the following process steps: 1. temporary storage and homogenisation of the water-based, liquid and solid drilling residues, 2. destabilisation of the water-based, liquid and solid drilling residues containing minerals and organic substances by adjusting the pH, 3. circulation of the pH-adjusted water-based, liquid and solid drilling residues, in order to prevent sedimentation, 4. dilution of the water-based, liquid and solid drilling residues, 5. addition of flocculants to the water-based, liquid and solid drilling residues pumped out of the temporary store, 6. flocculation and sedimentation of the solid fractions of the water-based, liquid and solid drilling residues, 7. separation of water and solids, 8. taking-off the sedimented solids for further use or for landfill, if appropriate after prior concentrating, 9. discharge of the water to a treatment plant and/or recirculation of the water for dilution purposes into the process sequence (into the temporary stores).

IPC 1-7

**E21B 21/06**

IPC 8 full level

**E21B 21/06** (2006.01); **E21B 41/00** (2006.01)

CPC (source: EP)

**E21B 21/06** (2013.01); **E21B 41/005** (2013.01)

Cited by

CN108999580A

Designated contracting state (EPC)

DE DK ES FR GB GR IT NL

DOCDB simple family (publication)

**DE 3905700 C1 19900419**; DD 298904 A5 19920319; DE 59004372 D1 19940310; DK 0384378 T3 19950313; EP 0384378 A1 19900829; EP 0384378 B1 19940126; ES 2048341 T3 19940316; GR 930300139 T1 19940131; NO 900842 D0 19900222; NO 900842 L 19900827; PL 164220 B1 19940729

DOCDB simple family (application)

**DE 3905700 A 19890224**; DD 33788190 A 19900215; DE 59004372 T 19900220; DK 90103208 T 19900220; EP 90103208 A 19900220; ES 90103208 T 19900220; GR 930300139 T 19940131; NO 900842 A 19900222; PL 28394090 A 19900223