

Title (en)

Hydraulic drilling apparatus for confined space work

Title (de)

Hydraulische Bohrvorrichtung um in beengte Räumlichkeiten zu arbeiten

Title (fr)

Foreuse hydraulique pour travaux en espace réduit

Publication

EP 1632638 A1 20060308 (FR)

Application

EP 05291514 A 20050713

Priority

FR 0407856 A 20040715

Abstract (en)

A rotary motor drives the drilling rods (80) during a drilling operation. Stabilizing jacks (22) create a resultant coaxial to the axis of the drilling resources. The jacks are arranged to be mounted on an arm of a hydraulic mini-digger located at the extremity connected to a hydraulic source. The jacks are operated without the addition of an extra hydraulic unit.

IPC 8 full level

E21B 15/04 (2006.01); **E21B 7/02** (2006.01)

CPC (source: EP US)

E21B 7/022 (2013.01 - EP US); **E21B 7/028** (2013.01 - EP US); **E21B 15/045** (2013.01 - EP US)

Citation (applicant)

- US 5810101 A 19980922 - CARAWAY JR JOHN [US], et al
- US 6179068 B1 20010130 - WEST GREGORY DONALD [NZ]

Citation (search report)

- [DA] US 5810101 A 19980922 - CARAWAY JR JOHN [US], et al
- [DA] US 6179068 B1 20010130 - WEST GREGORY DONALD [NZ]
- [A] WO 0061335 A1 20001019 - FRANKLIN STEVEN DOUGLAS [US]
- [A] WO 9521985 A1 19950817 - WIMMER ALOIS [AT]
- [A] US 6736219 B1 20040518 - WHITE WILLIAM A [US]
- [A] US 6109831 A 20000829 - HANDFORD REGINALD G [CA]
- [A] US 4938296 A 19900703 - BRAZELL II JAMES W [US]
- [A] US 2002014352 A1 20020207 - RUST WENDALL D [US], et al
- [A] US 6343663 B1 20020205 - HILL MARVIN E [US], et al

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

FR 0407856 A 20040715; AT 05291514 T 20050713; DE 602005002511 T 20050713; EP 05291514 A 20050713; ES 05291514 T 20050713; US 17884008 A 20080724; US 18207905 A 20050715; US 90650410 A 20101018