

Title (en)

Magnet rod-manipulator device for earth-drilling

Title (de)

Magnetischer Bohrstangenführer für Erdbohrungen

Title (fr)

Dispositif de manipulation de barre magnétique pour forages

Publication

EP 1978205 A3 20111130 (EN)

Application

EP 08006078 A 20080328

Priority

IT TO20070242 A 20070405

Abstract (en)

[origin: EP1978205A2] A magnet rod-manipulator device for earth-drilling machines, comprising two permanent magnets (12) constrained to the rotary (14) of the machine, the magnets (12) having the shape of plates provided with cradles (13) and being mobile between a resting position and a position for engagement of a rod (25) for drilling into the earth between said cradles (13).

IPC 8 full level

E21B 19/084 (2006.01); **E21B 19/15** (2006.01); **E21B 19/16** (2006.01); **E21B 19/24** (2006.01)

CPC (source: EP)

E21B 19/06 (2013.01); **E21B 19/084** (2013.01); **E21B 19/155** (2013.01); **E21B 19/16** (2013.01); **E21B 19/24** (2013.01)

Citation (search report)

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Cited by

CN104552304A; CN106930708A; US8747045B2; WO2011056711A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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