

Title (en)

DRILLING DEVICE FOR PERCUSSION OR ROTARY PERCUSSION DRILLING HAVING A COUPLING SLEEVE

Title (de)

BOHRVORRICHTUNG FÜR SCHLAG- ODER DREHSCHLAGBOHREN MIT EINER ANSCHLUSSMUFFE

Title (fr)

DISPOSITIF DE FORAGE POUR FORAGE À PERCUSSION OU FORAGE ROTATIF À PERCUSSION COMPRENANT UNE GAINÉ D'ACCOUPLEMENT

Publication

EP 2668341 A2 20131204 (EN)

Application

EP 12705152 A 20120124

Priority

- DE 102011009632 A 20110127
- DE 102011120572 A 20111207
- GB 2012050148 W 20120124

Abstract (en)

[origin: WO2012101433A2] For the purpose of producing boreholes (2) in the combined drilling and setting process, a tube pile (4), which subsequently remains in the borehole (2), is driven into the latter via a coupling sleeve (6). Said coupling sleeve (6) is constructed as a combined thrusting, striking and ejecting adapter (10), and therefore ensures both the propulsion of the tube pile and the transmission of the power of the drilling machine to the drill rod (5) and thereby the drill bit (3). Said drill bit (3) is secured on the drill rod (5), or rather its front end (37), via an axial fixing system (55) against unintended detachment.

CPC (source: EP)

E21B 17/03 (2013.01); **E21D 21/0033** (2013.01); **E21D 21/0053** (2016.01)

Citation (search report)

See references of WO 2012101433A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 102011120572 A1 20120802; EP 2668341 A2 20131204; TW 201241298 A 20121016; TW I591251 B 20170711; WO 2012101433 A2 20120802; WO 2012101433 A3 20131128

DOCDB simple family (application)

DE 102011120572 A 20111207; EP 12705152 A 20120124; GB 2012050148 W 20120124; TW 101102928 A 20120130