

Title (en)

ARRANGEMENT FOR POSITIONING ROCK DRILLING RIG ON DRILLING SITE

Title (de)

ANORDNUNG ZUR POSITIONIERUNG EINES GESTEINSBOHRGERÄTS AN EINER BOHRSTELLE

Title (fr)

PROCEDE D IMPLANTATION D UN APPAREIL DE FORAGE DE ROCHES SUR UN SITE DE FORAGE

Publication

EP 1896691 A4 20120411 (EN)

Application

EP 06764519 A 20060627

Priority

- FI 2006050280 W 20060627
- FI 20055356 A 20050629

Abstract (en)

[origin: WO2007000492A1] The invention relates to a method for positioning a rock drilling rig to a drilling site and a rock drilling rig. In positioning the rock drilling rig (1) is driven to the positioning station (12) such that its carrier (2) is at desired distances from wall surfaces (13) surrounding the drilling site. For positioning the rig is provided with distance measuring devices (11). Navigation is not started until positioning has been performed and in navigation the location of the rock drilling rig is linked to the coordinate system of the drilling site.

IPC 8 full level

E21D 9/00 (2006.01); **E21B 7/02** (2006.01)

IPC 8 main group level

E21B (2006.01)

CPC (source: EP FI US)

E21B 7/02 (2013.01 - FI); **E21B 7/025** (2013.01 - EP US); **E21B 15/04** (2013.01 - FI); **E21C 35/06** (2013.01 - FI); **E21D 9/003** (2013.01 - FI); **E21D 9/004** (2013.01 - EP US); **E21D 9/006** (2013.01 - EP US)

Citation (search report)

- [Y] US 6616244 B2 20030909 - HAEKKINEN LEO [FI]
- [Y] DE 4439601 A1 19960509 - RUHRKOHLER AG [DE]
- [A] JP 2000064762 A 20000229 - FURUKAWA CO LTD
- [A] US 4586571 A 19860506 - RAJAKALLIO PAULI [FI], et al
- [A] WO 03018952 A1 20030306 - ATLAS COPCO ROCK DRILLS AB [SE], et al
- [A] JP H07173987 A 19950711 - SHIMIZU CONSTRUCTION CO LTD
- See references of WO 2007000492A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007000492 A1 20070104; AU 2006263771 A1 20070104; AU 2006263771 A8 20080221; AU 2006263771 B2 20110602; CA 2612983 A1 20070104; CA 2612983 C 20121218; EP 1896691 A1 20080312; EP 1896691 A4 20120411; FI 117570 B 20061130; FI 20055356 A0 20050629; US 2008230270 A1 20080925

DOCDB simple family (application)

FI 2006050280 W 20060627; AU 2006263771 A 20060627; CA 2612983 A 20060627; EP 06764519 A 20060627; FI 20055356 A 20050629; US 98803906 A 20060627