Title (en)

Holding device for a drill rod of a tap hole drilling machine and method for removing a drill rod

Title (de)

Haltevorrichtung für eine Bohrstange einer Stichlochbohrmaschine sowie Verfahren zum Entfernen einer Bohrstange

Title (fr)

Dispositif de retenue pour une tige de forage d'une foreuse à trou de coulée et procédé d'enlèvement d'une tige de forage

Publication

EP 2415881 B1 20131225 (DE)

Application

EP 10171867 A 20100804

Priority

EP 10171867 A 20100804

Abstract (en)

[origin: EP2415881A1] Holding device (27) comprises a gripping device, which is arranged on a mounting. A tap hole drilling machine (10) exhibits a mounting (11) having a movably arranged drill- and hammer mechanism (16). The drill- and hammer mechanism comprises a drill rod receptacle (17) for connecting the drill rod. The gripping device acts relative to drill rod receptacle for holding the drill rod. The drill rod is firmly fixed on the mounting by the gripping device. An independent claim is also included for removing the drill rod from drill rod receptacle of tap hole drilling machine, comprising moving the drill rod receptacle to the gripping device such that the drill rod is removed from the drill rod receptacle.

IPC 8 full level

C21B 7/12 (2006.01); **E21B 7/02** (2006.01); **F27B 1/21** (2006.01); **F27D 3/15** (2006.01)

CPC (source: EP KR)

C21B 7/12 (2013.01 - EP KR); **F27B 1/21** (2013.01 - EP KR); **F27B 1/26** (2013.01 - KR); **F27D 3/04** (2013.01 - KR);
F27D 3/1527 (2013.01 - EP KR)

Cited by

CN113215340A; CN110374502A

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2415881 A1 20120208; **EP 2415881 B1 20131225**; BR 112013002694 A2 20160531; CN 103052720 A 20130417;
CN 103052720 B 20150916; JP 2013534281 A 20130902; JP 5876049 B2 20160302; KR 101766881 B1 20170809;
KR 20130137598 A 20131217; RU 2013105617 A 20140910; RU 2559617 C2 20150810; WO 2012016833 A2 20120209;
WO 2012016833 A3 20120412

DOCDB simple family (application)

EP 10171867 A 20100804; BR 112013002694 A 20110720; CN 201180038351 A 20110720; EP 2011062420 W 20110720;
JP 2013522186 A 20110720; KR 20137004553 A 20110720; RU 2013105617 A 20110720