

Title (en)  
DRILLING MACHINE

Title (de)  
BOHRGERÄT

Title (fr)  
MACHINE DE FORAGE

Publication  
**EP 3347526 B1 20191030 (FR)**

Application  
**EP 16767341 A 20160908**

Priority  
• FR 1558428 A 20150910  
• FR 2016052251 W 20160908

Abstract (en)  
[origin: WO2017042499A2] The invention relates to a drilling machine (10) for drilling into the ground (S) in a vertical drilling direction (F), said machine comprising: an anchoring module (30) having a front face (32) and a rear face (34), the anchoring module comprising at least one anchoring device (40) including at least one front anchor plate (42) and at least one rear anchor plate (44) which can be deployed in a deployment direction (D1) transverse to the longitudinal direction (L) of the drilling machine (10), such as to bear against the walls (P1, P2) of the excavation (E) in order to immobilise the anchoring module (30) in the ground. The anchoring device (40) also comprises: a frame (70) carrying the front (32) and rear (34) anchor plates, said frame (70) supporting the drilling module (50); and an actuator device to which the front and rear (34) anchor plates are secured, the actuator device being movable relative to the frame (70) along a movement direction (D2) transverse to the longitudinal direction, whereby the frame (70) of the anchoring module can be moved together with the drilling module (50) relative to the assembly formed by the front anchor plate (42), the rear anchor plate (44) and the actuator device (72) along the movement direction.

IPC 8 full level  
**E02D 17/13** (2006.01)

CPC (source: EP KR US)  
**E02D 17/13** (2013.01 - EP KR US); **E21B 3/00** (2013.01 - EP KR US); **E21B 10/08** (2013.01 - KR US); **E21B 10/62** (2013.01 - KR US)

Citation (examination)  
• WO 2017042499 A2 20170316 - SOLETANCHE FREYSSINET [FR]  
• WO 2017042500 A1 20170316 - SOLETANCHE FREYSSINET [FR]  
• WO 2017042496 A1 20170316 - SOLETANCHE FREYSSINET [FR]

Cited by  
EP4279659A1; WO2023222363A1; EP4112816A1; WO2023274711A1

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)  
**WO 2017042499 A2 20170316; WO 2017042499 A3 20170928**; AU 2016319501 A1 20180412; AU 2016319501 B2 20210805; CA 2998313 A1 20170316; CA 2998313 C 20230919; CN 108603350 A 20180928; CN 108603350 B 20200828; DE 202016008567 U1 20180626; EP 3347526 A2 20180718; EP 3347526 B1 20191030; FR 3041024 A1 20170317; FR 3041024 B1 20170929; JP 2018526550 A 20180913; JP 6734917 B2 20200805; KR 102337107 B1 20211208; KR 20180050735 A 20180515; NZ 740866 A 20230929; SG 11201801995Y A 20180427; US 10724200 B2 20200728; US 2019085524 A1 20190321

DOCDB simple family (application)  
**FR 2016052251 W 20160908**; AU 2016319501 A 20160908; CA 2998313 A 20160908; CN 201680065768 A 20160908; DE 202016008567 U 20160908; EP 16767341 A 20160908; FR 1558428 A 20150910; JP 2018512861 A 20160908; KR 20187010105 A 20160908; NZ 74086616 A 20160908; SG 11201801995Y A 20160908; US 201615758802 A 20160908