

Title (en)
Telescoping auger drill

Title (de)
Teleskopierbarer Spiralbohrer

Title (fr)
Fleuret hélicoïdal télescopique

Publication
EP 1614853 A3 20060301 (EN)

Application
EP 05014616 A 20050706

Priority
IT TO20040457 A 20040706

Abstract (en)
[origin: EP1614853A2] A continuous-screw drilling equipment for drilling the ground having an extension rod with at least two sections of rod of the type in which the continuous screw constituting the tool is carried by an extension rod which is able to slide along a motor assembly from which it receives the rotary motion about a longitudinal axis thereof; the extension rod is made up of at least two coaxial sections or stretches of rod, of which the internal one (4) is without turns and is rigidly connected at the bottom end to the continuous-screw tool (5), whilst the external one (6), which is able to slide on the internal one (4) and along the motor assembly (3), has some turns constituting the screw (7) in the bottom area, the rods (4 and 6) being equipped with splined couplings for connection with one another, and the external rod (6) is in turn equipped with a splined coupling also with respect to the motor (3) so as to transmit the rotary motion from the motor to the respective screw (5 and 7).

IPC 8 full level
E21B 10/44 (2006.01); **E21B 17/07** (2006.01)

CPC (source: EP)
E21B 10/44 (2013.01); **E21B 17/07** (2013.01)

Citation (search report)
• [AD] IT TO940041 A1 19950728 - SOILMEC SPA [IT]
• [A] US 2001032741 A1 20011025 - SHERWOOD DAVID [FR]
• [A] DATABASE WPI Section PQ Week 199727, Derwent World Patents Index; Class Q49, AN 1997-296076, XP002352283

Cited by
EP2133507A1; CN114991656A; US9115545B2; US8322458B2

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)
EP 1614853 A2 20060111; EP 1614853 A3 20060301; EP 1614853 B1 20070822; AT E371088 T1 20070915; DE 602005002089 D1 20071004; IT TO20040457 A1 20041006

DOCDB simple family (application)
EP 05014616 A 20050706; AT 05014616 T 20050706; DE 602005002089 T 20050706; IT TO20040457 A 20040706