

Title (en)  
Earth drill.

Title (de)  
Erdbohrmaschine.

Title (fr)  
Machine de forage du sol.

Publication  
**EP 0150977 A2 19850807 (EN)**

Application  
**EP 85300424 A 19850123**

Priority  
GB 8402147 A 19840127

Abstract (en)  
The present invention provides an earth drill in which a rotatable drill table and a support mast are carried at the front of a motive unit which can be rotated by an operator about a substantially vertical axis to slew the drill table into and out of register with the hole to be made by a drill auger driven by the drill table by means of a drill kelly characterised in that the operator is to be located offset to one side of the centre line of the mast, in that the drill table 3 is carried offset to that side of the support mast 2 with the axis of rotation of the drill kelly 10 mounted in the drill table 3 lying substantially on the circumference of a circle having its centre as the axis of rotation of the motive unit 1; thus providing the operator with an unobstructed view of the drill tip so as to aid location of the drill in the ground. Preferably, there are provided means 4 for supporting one or more tubes for lining the hole drilled by the auger, the support means 4 being located substantially symmetrically to the side of the mast 4 opposed to the drill table 3 whereby the axis of the tubes supported by the support means 4 are located substantially on the circumference of the same circle as the axis of the drill kelly 10.

IPC 1-7  
**E21B 7/02**; **E21B 3/04**; **E02D 7/20**; **E02D 7/14**

IPC 8 full level  
**E02D 7/16** (2006.01); **E02D 7/26** (2006.01); **E21B 3/04** (2006.01); **E21B 7/02** (2006.01)

CPC (source: EP)  
**E02D 7/16** (2013.01); **E02D 7/26** (2013.01); **E21B 3/04** (2013.01); **E21B 7/021** (2013.01)

Cited by  
CN115839216A; US10415207B2; CN112482378A; US4860837A; CN114687663A; US10995563B2; US11136837B2

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0150977 A2 19850807**; **EP 0150977 A3 19850821**; GB 8402147 D0 19840229

DOCDB simple family (application)  
**EP 85300424 A 19850123**; GB 8402147 A 19840127