

Title (en)

EARTH-COMPRESSION DRILL BIT WITH PLANE CLOSING DISC

Publication

EP 0034106 B1 19830713 (FR)

Application

EP 81440005 A 19810205

Priority

BE 199306 A 19800207

Abstract (en)

[origin: EP0034106A1] 1. A boring bit for forming boreholes, acting by lateral pressure on the ground, comprising a boring bit body (2, 15) and a central coupling tube (1, 14) closed at its end which is rotated and possibly subjected to a force along its axis, characterized by the fact that the head has at its end two helical cylinder walls (5, 6), extending from the central coupling tube, and whose axis is parallel to the axis (11) of the boring bit, facing each other, but offcentered with respect to each other and with respect to the axis (11) on the boring bit, disposed, taking into account the direction of rotation of the boring bit for forming a drill hole, so as to push the earth outwardly and so as to compress it laterally outwardly by their external face, because of the offcentering thereof, the orientation of the helical portion which they form respectively being that which corresponds to driving the boring bit into the ground for said rotation.

IPC 1-7

E21B 7/26

IPC 8 full level

E02D 5/36 (2006.01); **E21B 7/26** (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP)

E02D 5/36 (2013.01); **E21B 10/44** (2013.01)

Citation (examination)

- FR 1202851 A 19600114
- FR 2215075 A6 19740819 - ATLAS FRANCE [FR]
- FR 1322130 A 19630329
- FR 2040519 A5 19710122 - ATLAS FRANCE
- BE 672746 A
- US 2229912 A 19410128

Cited by

CN104389525A; EP0131562A1; US5353883A; FR2831206A1; EP1306516A1; FR2649442A1; BE1005651A3; BE1007558A5; US5722498A; WO9512050A1

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DOCDB simple family (publication)

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