

Title (en)

Method and device for drilling an earth borehole

Title (de)

Verfahren und Vorrichtung zum Herstellen einer Erdbohrung

Title (fr)

Procédé et dispositif pour le forage d'un trou dans le sol

Publication

**EP 0578034 B1 19971015 (DE)**

Application

**EP 93109815 A 19930619**

Priority

DE 4220430 A 19920624

Abstract (en)

[origin: EP0578034A1] In a method of drilling an earth borehole, a pilot hole is first of all produced by the driving method by means of a drill head (7) arranged on the end of a driven rotary and/or push stem (5), then the drill head is replaced by a widening head (11) with a sloping surface (16) pointing against the driving direction and the pilot hole is subsequently widened against the driving direction by stripping off the earth by means of the rotating widening head. The earth accumulating in the process is removed by means of a flushing medium via a conveying or product pipe following the widening head. <IMAGE>

IPC 1-7

**E21B 7/28**; **E21B 7/20**; **E21B 6/00**; **E21B 7/04**

IPC 8 full level

**E21B 6/00** (2006.01); **E21B 7/04** (2006.01); **E21B 7/20** (2006.01); **E21B 7/28** (2006.01); **E21B 10/44** (2006.01); **E21B 21/00** (2006.01)

CPC (source: EP)

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Cited by

FR2809449A1; WO0159248A1; CN104145785A; CN106857187A; FR2735841A1; EP2108745A3; EP1820933A1; GB2412935A; GB2412935B; WO0235050A1; WO9621793A1; WO2004053285A1

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