

Title (en)  
Earth drill

Title (de)  
Erdbohrgerät

Title (fr)  
Appareil de forage

Publication  
**EP 1978204 B1 20090617 (DE)**

Application  
**EP 07007186 A 20070405**

Priority  
EP 07007186 A 20070405

Abstract (en)  
[origin: EP1978204A1] The device has an encasing tube (5) surrounding an auger (4). A twin-head rotary drive (20) drives the auger in a rotating manner about a drilling axis. An ejecting device (10) discharges drill spoil from the auger, where the ejecting device has a telescopic discharge line (11) i.e. discharge pipe, for the drill spoil. A winch device changes the length of the line. The line extends longitudinally to a mast element (3) in a direction of a drilling axis. The auger is moved together with the ejecting device along the mast element. A hoisting cable is fixed to tube elements (14, 14', 14''). An independent claim is also included for a method for producing a borehole in the ground with an earth drilling device.

IPC 8 full level  
**E21B 7/00** (2006.01); **E21B 12/06** (2006.01)

CPC (source: EP KR US)  
**E02F 5/20** (2013.01 - KR); **E02F 7/06** (2013.01 - KR); **E21B 7/006** (2013.01 - EP US); **E21B 12/06** (2013.01 - EP US);  
**E21B 21/01** (2013.01 - EP KR US)

Cited by  
EP3663503A1; EP2378001A1; EP2339108A1; ITTO20091021A1; EP2532826A1; EP3214258A1; US8646546B2; US9140066B2; US8567519B2

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DOCDB simple family (publication)  
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**EP 07007186 A 20070405**; AT 07007186 T 20070405; DE 502007000896 T 20070405; ES 07007186 T 20070405; JP 2008098879 A 20080407; KR 20080029727 A 20080331; PT 07007186 T 20070405; RU 2008111919 A 20080331; US 7840108 A 20080331