

Title (en)  
Earth drilling device

Title (de)  
Erdbohrgerät

Title (fr)  
Dispositif de forage du sol

Publication  
**EP 1361333 A3 20041020 (DE)**

Application  
**EP 03008467 A 20030411**

Priority  
DE 10219757 A 20020502

Abstract (en)  
[origin: DE10219757C1] The earth drilling device has a drive head (18) for driving a rotary drilling tool (24), provided with at least one hydraulic setting device (28) for setting a tool component (26) of the drilling tool, supplied with the setting pressure via a rotary coupling (32). The latter uses an environmentally-friendly fluid, e.g. water, with a converter converting the setting pressure of the environmentally-friendly fluid into the hydraulic setting pressure for the hydraulic setting device.

IPC 1-7  
**E21B 7/02**

IPC 8 full level  
**E21B 7/02** (2006.01)

CPC (source: EP)  
**E21B 7/022** (2013.01)

Citation (search report)

- [A] US 4526242 A 19850702 - MATHIEUE HANS [DE], et al
- [A] US 3799276 A 19740326 - MATSUSHITA K, et al
- [A] US 5219246 A 19930615 - COUTTS PETER G [AU], et al

Cited by  
CN102979453A; CN110468897A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 10219757 C1 20030724**; DE 50303775 D1 20060727; EP 1361333 A2 20031112; EP 1361333 A3 20041020; EP 1361333 B1 20060614; HK 1056589 A1 20040220

DOCDB simple family (application)  
**DE 10219757 A 20020502**; DE 50303775 T 20030411; EP 03008467 A 20030411; HK 03108909 A 20031208