

Title (en)

Displacement drilling tool and method of use

Title (de)

Verdrängerbohrer sowie Verfahren für dessen Gebrauch

Title (fr)

Outil de forage par refoulement et la méthode associée

Publication

**EP 1519000 B1 20060524 (DE)**

Application

**EP 04020562 A 20040830**

Priority

DE 10344353 A 20030924

Abstract (en)

[origin: EP1519000A1] An earth drill has a helical thread and shank that widens (32) to a larger diameter section (30) that terminates in a detachable cutting tip (46). After drilling to the required depth, the shank is detached from the cutting tip and withdrawn, thereby displacing the loose soil.

IPC 8 full level

**E21B 7/26** (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP US)

**E02D 5/72** (2013.01 - EP US); **E21B 7/26** (2013.01 - EP US); **E21B 10/44** (2013.01 - EP)

Cited by

US9512588B2; EP3467205A1; US9217293B1; US9506295B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 04020562 A 20040830**; AT 04020562 T 20040830; CN 200410085116 A 20040924; DE 10344353 A 20030924; DE 502004000614 T 20040830; JP 2004274512 A 20040922; RU 2004127846 A 20040920; UA 20040907328 A 20040907