

Title (en)

Method and apparatus for making drilled piles in hard ground

Title (de)

Verfahren und Einrichtung zur Herstellung von Bohrpfehlen im harten Untergrund

Title (fr)

Procédé et machine pour la réalisation de pieux forés en terrain dur

Publication

**EP 1229172 B1 20040428 (FR)**

Application

**EP 02290128 A 20020118**

Priority

FR 0101353 A 20010201

Abstract (en)

[origin: FR2820155A1] The drilling machine is fitted with detectors which measure dynamic characteristics of the drill tool. The measurements at different successive depths are stored and used to calculate a succession of variable representative of terrain quality at each depth. When a succession of values which correspond to a acceptable terrain quality is encountered, drilling is stopped.

IPC 1-7

**E02D 13/06**; **E21B 44/00**

IPC 8 full level

**E21B 45/00** (2006.01); **E02D 1/02** (2006.01); **E02D 13/06** (2006.01); **E21B 44/00** (2006.01); **E21B 49/00** (2006.01)

CPC (source: EP)

**E02D 13/06** (2013.01); **E21B 44/00** (2013.01); **E21B 49/003** (2013.01)

Cited by

EP1942247A1; CN115038842A; WO2021105276A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1229172 A1 20020807**; **EP 1229172 B1 20040428**; AT E265582 T1 20040515; DE 60200403 D1 20040603; ES 2220877 T3 20041216; FR 2820155 A1 20020802; FR 2820155 B1 20030425; HK 1050227 A1 20030613; HK 1050227 B 20041126; JP 2002285781 A 20021003; JP 3830395 B2 20061004

DOCDB simple family (application)

**EP 02290128 A 20020118**; AT 02290128 T 20020118; DE 60200403 T 20020118; ES 02290128 T 20020118; FR 0101353 A 20010201; HK 03100364 A 20030115; JP 2002020268 A 20020129