

Title (en)
Method and apparatus for soil working

Title (de)
Verfahren und Vorrichtung zur Bodenbearbeitung

Title (fr)
Procédé et dispositif pour le travail du sol

Publication
EP 1477633 A3 20041208 (DE)

Application
EP 04009245 A 20040419

Priority
DE 10320662 A 20030508

Abstract (en)
[origin: EP1477633A2] A drilling tool (11) e.g. drilling screw or worm is fitted to a drilling rod (10) that is rotated about a rotation axis by a rotary drive (20). A feed drive (30) lowers the drilling rod into a soil area (1) as the drilling rod rotates. A control device (40) reduces the feed rate of the feed drive when a decrease in the speed of the drilling rod is determined. An independent claim is also included for a soil working device.

IPC 1-7
E21B 44/02

IPC 8 full level
E21B 44/02 (2006.01); **E21B 44/06** (2006.01)

CPC (source: EP US)
E21B 44/02 (2013.01 - EP US); **E21B 44/06** (2013.01 - EP US)

Citation (search report)

- [XY] US 6116819 A 20000912 - ENGLAND MELVIN GERRARD [GB]
- [XY] DE 19924200 A1 20001130 - TRACTO TECHNIK [DE]
- [Y] EP 0517329 A1 19921209 - LABRUE JEAN MARIE [FR]
- [Y] GB 2010361 A 19790627 - BOVER K
- [A] FR 2642791 A1 19900810 - SOLETANCHE [FR]
- [A] US 3962879 A 19760615 - TURZILLO LEE A

Cited by
EP3819434B1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1477633 A2 20041117; EP 1477633 A3 20041208; EP 1477633 B1 20060621; DE 10320662 A1 20041202; DE 502004000803 D1 20060803; ES 2266949 T3 20070301; US 2004222017 A1 20041111; US 7134511 B2 20061114

DOCDB simple family (application)
EP 04009245 A 20040419; DE 10320662 A 20030508; DE 502004000803 T 20040419; ES 04009245 T 20040419; US 83830204 A 20040505