

Title (en)

Drill for obtaining soil samples

Title (de)

Bohrer zur Bodenprobenentnahme

Title (fr)

Foret pour le prélèvement d'échantillons de sol

Publication

EP 0982467 A3 20001011 (DE)

Application

EP 99115710 A 19990806

Priority

DE 19838199 A 19980824

Abstract (en)

[origin: EP0982467A2] The drilling device (100) can be joined to a tractor (200). It comprises of a drill tool (60), driven by a motor (10), which operates an elevating spindle (20) and moves up and down a guide column (30) together with the drill (60). A clearing device (70) is moved along the drill (60), when this is rotated in the opposite direction, removing the soil from the coiled surface. The soil is collected in a small container (80). Because the steel band (64), forming the helical surface of the drill (60), is wider at the periphery and narrower close to the central axis the soil is slightly compressed and does not fall from the drill accidentally.

IPC 1-7

E21B 10/44; **E21B 49/02**; **E21B 17/22**

IPC 8 full level

E21B 10/44 (2006.01); **E21B 12/06** (2006.01)

CPC (source: EP)

E21B 10/44 (2013.01); **E21B 12/06** (2013.01)

Citation (search report)

- [X] US 4091693 A 19780530 - STRAUB IMMANUEL
- [A] DE 291398 C

Cited by

CN115508134A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0982467 A2 20000301; **EP 0982467 A3 20001011**; DE 19838199 C1 20000316

DOCDB simple family (application)

EP 99115710 A 19990806; DE 19838199 A 19980824