

Title (en)
Soil sampler

Title (de)
Bodenprobenehmer

Title (fr)
Dispositif de prélèvement d'échantillon de sol

Publication
EP 1154076 B1 20050302 (DE)

Application
EP 01201677 A 20010509

Priority
• NL 1015147 A 20000510
• US 98657201 A 20011109

Abstract (en)
[origin: EP1154076A1] The soil sampler has a plug tube with chamber to accommodate a soil sample, which is defined in radial direction by a wall. The chamber is open in distal direction to receive a sample, and is closed by a transverse wall in proximal direction. The chamber has fluid channels, and a remote-control valve to close these. A free diabolo-shaped plug or piston is fitted tightly into the chamber and moves between transverse wall and distal tube area, to define a sealed fluid chamber.

IPC 1-7
E02D 1/04; **E21B 49/02**

IPC 8 full level
E02D 1/04 (2006.01); **E21B 25/00** (2006.01); **E21B 25/06** (2006.01); **E21B 49/02** (2006.01)

CPC (source: EP US)
E02D 1/04 (2013.01 - EP US); **E21B 25/00** (2013.01 - EP US); **E21B 25/06** (2013.01 - EP US)

Cited by
EP3059384A1; CN114199615A; DE102011006374A1; DE102011006374B4; CN114199616A; WO2009155268A3; EP2963185B1

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 1154076 A1 20011114; **EP 1154076 B1 20050302**; AT E290132 T1 20050315; DE 50105442 D1 20050407; DK 1154076 T3 20050627; NL 1015147 C2 20011115; US 2003089526 A1 20030515; US 6695075 B2 20040224

DOCDB simple family (application)
EP 01201677 A 20010509; AT 01201677 T 20010509; DE 50105442 T 20010509; DK 01201677 T 20010509; NL 1015147 A 20000510; US 98657201 A 20011109