Title (en)

Two piezometers pressuremeter

Title (de)

Pressiometer mit zwei Piezometer

Title (fr)

Pressiomètre à deux piézomètres

Publication

EP 0705941 B1 20000531 (FR)

Application

EP 94400638 A 19940324

Priority

- EP 94400638 A 19940324
- FR 9211210 A 19920921

Abstract (en)

[origin: FR2696003A1] The equipment for measuring the mechanical characteristics of the ground includes dropping a membrane tube into a bore hole in the ground. A liquid is introduced under pressure into the tube, and the increase in volume of the tube is then measured as a function of the pressure exerted. A pressure sensor is dropped into the ground into a position just above the maximum deformations of the membrane tube in order to determine the interstitial pressure in the region of the probe. The pressure sensor is a piezoelectric device, and there is also a piston and hydraulic element to prevent the collapse of the tube. ADVANTAGE - Is protected against collapse of membrane tube.

IPC 1-7

E02D 1/02; E21B 47/06; E21B 49/00

IPC 8 full level

E02D 1/02 (2006.01); **E21B 47/06** (2012.01); **E21B 49/00** (2006.01); **G01N 33/24** (2006.01)

CPC (source: EP)

E02D 1/022 (2013.01); **E02D 1/027** (2013.01); **E21B 47/06** (2013.01); **E21B 49/006** (2013.01); **E21B 49/008** (2013.01)

Cited by

EP1256801A3; WO2011134028A1; DE112011101504T5; WO03029614A3

Designated contracting state (EPC)

DE GB NL

DOCDB simple family (publication)

FR 2696003 A1 19940325; **FR 2696003 B1 19950303**; EP 0705941 A1 19960410; EP 0705941 B1 20000531

DOCDB simple family (application)

FR 9211210 A 19920921; EP 94400638 A 19940324