

Title (en)
METHOD OF ESTIMATING SOIL PROPERTIES AND DEVICE FOR ESTIMATING SOIL PROPERTIES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG VON BODENKENNWERTEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE MESURE DES CARACTÉRISTIQUES MÉCANIQUES DU SOL

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Application
EP 11745468 A 20110429

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Abstract (en)
[origin: WO2011134028A1] The invention relates to a device and method consisting in inserting a membrane cell (7) into a borehole in the ground. A pressurised gas is supplied to the cell and the increase in the volume of the cell (7) is subsequently measured as a function of the pressure exerted. A vertical tube (10) located just above the membrane cell (7) is provided with an inclined revolver (8) having a bullet in the form of a hypodermic needle provided with a sensor (5), which is shot into the ground as far as the point of maximum deformation (6) of the membrane cell and close thereto. The interstitial pressure is measured as a function of the pressure exerted and the volume of the membrane cell.

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