

Title (en)
METHOD OF TESTING LOOSE GROUND

Publication
EP 0416104 A4 19910911 (EN)

Application
EP 89905478 A 19890327

Priority
SU 8900079 W 19890327

Abstract (en)
[origin: WO9011411A1] The method provides for introducing, by means of screwing-in, into the ground (2) a barrel (3) with a screw-shaped blade (4) on its end. At a depth (L3?) of the ground (2, 9) which is smaller than the depth (L1?) of location of the layer (1) of the ground (2) to be tested and which exceeds the pitch (t1?) of the blade by a value (L4?) the pressure (P3?) of the ground (2) on the lower surface (7) of the blade (4) is measured and in the event that it is not equal to the pressure (P1?) of the column of the ground (2) above the blade (4) in a non-deformed condition an axial force (P4?) is applied to the blade (4) through the barrel (3) so as to ensure the equality of these pressures (P1?, P3?). When the blade (4) reaches the depth (L1?) of location of the layer (1) of the ground (2) to be tested the process of screwing-in is discontinued and the barrel (3) is subjected to the influence of static forces directed downwards, the value of each subsequent force exceeding the value of the previous one by an equal value and the displacement of the barrel (3) is measured.

IPC 1-7
E02D 1/00

IPC 8 full level
E02D 1/02 (2006.01)

CPC (source: EP)
E02D 1/022 (2013.01)

Citation (search report)
• [A] SOVIET INVENTIONS ILLUSTRATED SECTIONS P/Q, WEEK 8411, 25 APR 1984. DERWENT PUBLICATIONS LTD, LONDON GB CLASS Q, PAG 11, N. 84-067937/11 & SU-A-1 019 054 (BEZRUKOV)
• [A] SOVIET INVENTIONS ILLUSTRATED SECTIONS P/Q, WEEK 8503, 27 FEB 1985 DERWENT PUBLICATIONS LTD, LONDON GB CLASS Q, PAG 14, N.85-017& SU-A-1 094 897 (N TOWN MAINS DES IN)
• See references of WO 9011411A1

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