

Title (en)
METHOD FOR MONITORING SOIL EROSION AROUND BURIED DEVICES, INSTRUMENTED DEVICE AND SYSTEM IMPLEMENTING THE METHOD

Title (de)
VERFAHREN ZUR ÜBERWACHUNG DER BODENEROSION UM VERGRABENE VORRICHTUNGEN, INSTRUMENTIERTE VORRICHTUNG UND SYSTEM ZUR UMSETZUNG DES VERFAHRENS

Title (fr)
PROCÉDÉ PERMETTANT DE SURVEILLER L'ÉROSION DES SOLS AUTOUR DE DISPOSITIFS ENFOUIS, DISPOSITIF INSTRUMENTÉ ET SYSTÈME PERMETTANT DE RÉALISER LE PROCÉDÉ

Publication
EP 2906968 A1 20150819 (EN)

Application
EP 12786855 A 20121011

Priority
EP 2012070206 W 20121011

Abstract (en)
[origin: WO2014056541A1] The present invention concerns a method for monitoring the thickness of soil (6) between a soil surface (8) and a device (4) buried in said soil (6), possibly underwater, the device (4) comprising at least one heat source (1), the method comprising steps of (i) measuring at least one temperature using at least one temperature sensing element (3) located in the vicinity of the heat source(s) (1), and (ii) calculating an estimated soil thickness using a pre-determined thermal distribution function (20) which links measured temperatures and soil thickness. The present invention concerns also an instrumented device (4) and a system implementing the method.

IPC 8 full level
G01V 9/00 (2006.01); **H02G 9/02** (2006.01)

CPC (source: EP)
G01B 21/085 (2013.01); **G01B 21/18** (2013.01); **G01K 11/32** (2013.01); **G01V 9/005** (2013.01)

Citation (search report)
See references of WO 2014056541A1

Citation (examination)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2014056541 A1 20140417; EP 2906968 A1 20150819; KR 20150064173 A 20150610

DOCDB simple family (application)
EP 2012070206 W 20121011; EP 12786855 A 20121011; KR 20157011447 A 20121011