

Title (en)
METHOD FOR INCREASING THE EFFECTIVENESS OF WELLS, AND PRIMARILY OF EQUIPMENT FOR SOIL AND GROUNDWATER TREATMENT

Title (de)
VERFAHREN ZUR ERHÖHUNG DER EFFEKTIVITÄT VON BOHRLÖCHERN UND HAUPTSÄCHLICH VON EINRICHTUNGEN ZUR BODEN- UND GRUNDWASSERBEHANDLUNG

Title (fr)
PROCÉDÉ PERMETTANT D'AUGMENTER L'EFFICACITÉ DES PUITES ET SURTOUT DU MATÉRIEL DE TRAITEMENT DE SOL ET D'EAU SOUTERRAINE

Publication
EP 2164650 A1 20100324 (EN)

Application
EP 08776245 A 20080704

Priority
• HU 2008000079 W 20080704
• HU P0700466 A 20070706

Abstract (en)
[origin: WO2009007760A1] The object of the invention is a group of methods for introducing small-diameter drainage pipes (2) into the ground in a given depth in radial directions starting from vertically arranged engineering structures (wells, soil penetrating lances, etc.) applied for soil and groundwater treatment, or for groundwater extraction or injection, said engineering structures being utilised as supporting structural elements (1). The methods are essentially characterised by that each drainage pipe (2) has a head portion (3) adapted for facilitating the insertion of the drainage pipe (2) into the targeted ground region (4), and by that the supporting structural element (1) comprises guide ducts (5) for guiding the drainage pipes (2), each duct having an arced section (6) guiding the drainage pipes (2) towards the ground. A given portion of the drainage pipes (2) thus introduced into the ground region (4) has perforations (9) or is otherwise made permeable, permitting that liquids or gases fed into the drainage pipes (2) may enter into (10) the soil of the ground region (4) through the permeable section. In case the drainage pipes are put under vacuum, liquids or gases may be extracted from the ground region (4) through the permeable section.

IPC 8 full level
B09C 1/06 (2006.01); **E02D 7/02** (2006.01); **E03B 3/11** (2006.01); **F16L 1/028** (2006.01)

CPC (source: EP)
B09C 1/00 (2013.01); **B09C 1/002** (2013.01); **B09C 1/005** (2013.01); **B09C 1/02** (2013.01); **B09C 1/06** (2013.01); **E03B 3/11** (2013.01); **E21B 7/061** (2013.01)

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009007760 A1 20090115; EP 2164650 A1 20100324; HU 0700466 D0 20070828; HU P0700466 A2 20090528; RU 2010103994 A 20110820; RU 2473404 C2 20130127

DOCDB simple family (application)
HU 2008000079 W 20080704; EP 08776245 A 20080704; HU P0700466 A 20070706; RU 2010103994 A 20080704