

Title (en)
METHOD FOR SOIL CONSOLIDATION AND/OR IMPERMEABILISATION

Title (de)
VERFAHREN ZUR BODENKONSOLIDIERUNG UND/ODER IMPERMEABILISIERUNG

Title (fr)
PROCÉDÉ DE CONSOLIDATION ET/OU D'IMPERMÉABILISATION DES SOLS

Publication
EP 3733974 B1 20220223 (EN)

Application
EP 20171537 A 20200427

Priority
IT 201900006490 A 20190502

Abstract (en)
[origin: EP3733974A1] A method for soil consolidation and/or impermeabilisation, comprising the steps of:i) making a perforation (4) in the soil by means of a drilling rod (2);ii) dispensing under pressure in the perforation (4), by means of said drilling rod (2):- a fluid operating material (31) for consolidation and/or impermeabilisation; and- a fluid accelerating material (32) for accelerating the consolidation and/or impermeabilisation;iii) performing an extraction of the rod (2) from said perforation (4); the step of dispensing in the perforation (4) by means of said drilling rod (2) the fluid operating material (31) and the fluid accelerating material (32) occurring during the step of performing said extraction and generating a columnar volume of consolidation and/or impermeabilisation of the soil. The step of dispensing in the perforation (4) a fluid operating material (31) and a fluid accelerating material (32) comprises the step of feeding a first and a second dispenser (21, 22) formed on said rod (2) respectively with the fluid operating material (31) and the fluid accelerating material (32); the step of feeding the first and the second dispenser (21, 22) occurring while keeping the fluid operating material (31) and the fluid accelerating material (32) separate.A system for soil consolidation and/or impermeabilisation is also disclosed.

IPC 8 full level
E02D 3/12 (2006.01); **C09K 17/00** (2006.01); **E02D 5/46** (2006.01); **E02D 5/66** (2006.01)

CPC (source: EP)
E02D 3/12 (2013.01); **E02D 5/46** (2013.01); **E02D 5/665** (2013.01)

Citation (examination)
DE 102007023736 A1 20081204 - BAUER SPEZIALTIEFBAU [DE]

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

DOCDB simple family (publication)
EP 3733974 A1 20201104; EP 3733974 B1 20220223; IT 201900006490 A1 20201102

DOCDB simple family (application)
EP 20171537 A 20200427; IT 201900006490 A 20190502