

Title (en)

A method for homogenizing and stabilising a soil by way of injections

Title (de)

Verfahren zur Homogenisierung und Stabilisierung eines Baugrunds mittels Injektionen

Title (fr)

Procédée de homogéniser un sol par injections

Publication

EP 1914350 B1 20111228 (EN)

Application

EP 06425705 A 20061013

Priority

EP 06425705 A 20061013

Abstract (en)

[origin: EP1914350A1] A method for homogenizing and/or re-homogenizing the physical and chemical characteristics of foundation grounds and/or building areas in general, to fight the differential sagging of buildings, consists in injections of chemical products, even expanding and effective also in the presence of water and/or moisture (such as polyurethane resins and compounds), aimed at acting over the volumes of grounds that prove to be non-homogeneous and/or uneven compared to adjoining portions that are not affected by sagging and which are taken as reference portions. These portions of ground are localized and monitored according to set frequencies and fixed patterns by means of 3D tomographic geoelectric general detection means allowing the effects obtained in the ground by the mentioned targeted injections to be verified both before and during the work, owing to the nature of the resins/ground dynamic system and the treated volumes to be brought the same conditions of homogeneity and/or uniformity as those matching the areas that are not affected by any sagging.

IPC 8 full level

E02D 3/12 (2006.01)

CPC (source: EP)

E02D 1/02 (2013.01); **E02D 3/12** (2013.01); **E02D 27/48** (2013.01)

Cited by

IT201900019789A1; EP4382674A1; CN114779316A; AU2011203301B1; LU92314B1; ITUA20162691A1; ITPR20080048A1; EP3029204A3; EP2543769A1; US8844240B2; US9822497B2; US10138641B2; IT202100009488A1; WO2024079506A1; WO2021079346A1; WO2011127528A1; WO2017182939A1; WO2010059949A3; WO2015078722A1; US8690486B2; US9284707B2; WO2018001833A1; US10760237B2; EP4048841B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1914350 A1 20080423; **EP 1914350 B1 20111228**; **EP 1914350 B2 20190605**; AT E539200 T2 20120115; ES 2380045 T3 20120508; ES 2380045 T5 20191217

DOCDB simple family (application)

EP 06425705 A 20061013; AT 06425705 T 20061013; ES 06425705 T 20061013