

Title (en)

METHOD AND KIT FOR MITIGATING THE RISK OF LIQUEFACTION OF GROUND TO BE CONSOLIDATED

Title (de)

VERFAHREN UND KIT ZUR MINDERUNG DES RISIKOS AUF VERFLÜSSIGUNG VON ZU VERFESTIGENDEM BODEN

Title (fr)

PROCÉDÉ ET KIT POUR RÉDUIRE LE RISQUE DE LIQUÉFACTION D'UN SOL DEVANT ÊTRE CONSOLIDÉ

Publication

EP 3445915 A1 20190227 (EN)

Application

EP 17727696 A 20170418

Priority

- IT UA20162691 A 20160418
- IB 2017052203 W 20170418

Abstract (en)

[origin: WO2017182939A1] A method and associated injection kit for mitigating the risk of liquefaction of ground T to be consolidated having an upper interface surface S, which provides for the production of at least one hole (2) in the ground T to be reached or towards volumes of the ground T, injecting an expanding resin (3) into the at least one hole (2) by means of the injection device (3), activating the expanding resin (3), conglomerating the ground T by means of the expanding resin (3), connecting portions of the ground T to each other, the expanding (resin 3) having an expansion relationship R between a final free volume V_{fin} and an initial free volume V_{in} less than (5).

IPC 8 full level

E02D 3/12 (2006.01)

CPC (source: EP)

E02D 3/12 (2013.01)

Citation (search report)

See references of WO 2017182939A1

Cited by

CN115910248A

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 2017182939 A1 20171026; EP 3445915 A1 20190227; EP 3445915 B1 20230301; IT UA20162691 A1 20171018; PT 3445915 T 20230530

DOCDB simple family (application)

IB 2017052203 W 20170418; EP 17727696 A 20170418; IT UA20162691 A 20160418; PT 17727696 T 20170418