

Title (en)  
METHOD OF MAKING A REINFORCED STRUCTURE IN THE GROUND

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER VERSTÄRKTEN STRUKTUR IM BODEN

Title (fr)  
PROCÉDÉ DE RÉALISATION D'UNE STRUCTURE ARMÉE DANS UN SOL

Publication  
**EP 2900876 B1 20200422 (FR)**

Application  
**EP 13779320 A 20130926**

Priority  
• FR 1259136 A 20120927  
• FR 2013052276 W 20130926

Abstract (en)  
[origin: CA2885700A1] The invention relates to a method for producing a reinforced structure in the ground, in which: a drilling tool (10) is provided, which includes a drilling tube (12) and a means (20) for vibrating the drilling tube (12); a drill-hole (F) is made in the ground (S) by means of the drilling tool (10) by vibrating the drilling tube (12); once the drilling tube (12) has reached the predetermined depth, a sealing grout (C) is injected into the drilling tube in order to embed the drilling tube (12) in the sealing grout (C); and then the drilling tube is detached from the drilling tool, thus resulting in a reinforced structure provided with a reinforcing element consisting of the drilling tube.

IPC 8 full level  
**E02D 5/38** (2006.01); **E02D 7/18** (2006.01)

CPC (source: EP US)  
**E02D 5/385** (2013.01 - EP US); **E02D 7/18** (2013.01 - EP US); **E04B 1/4157** (2013.01 - US)

Citation (examination)  
• DE 3612437 A1 19871015 - PREUSSAG AG BAUWESEN [DE]  
• DE 102007000328 A1 20081218 - ZUEBLIN AG [DE]  
• US 2403643 A 19460709 - DRESSER GEORGE L

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)  
**FR 2995918 A1 20140328; FR 2995918 B1 20141017**; CA 2885700 A1 20140403; CA 2885700 C 20210216; CL 2015000769 A1 20151023; CO 7400889 A2 20150930; EP 2900876 A1 20150805; EP 2900876 B1 20200422; ES 2806086 T3 20210216; HK 1212403 A1 20160610; MX 2015003796 A 20151005; PE 20150871 A1 20150604; US 10106976 B2 20181023; US 2015225941 A1 20150813; WO 2014049278 A1 20140403

DOCDB simple family (application)  
**FR 1259136 A 20120927**; CA 2885700 A 20130926; CL 2015000769 A 20150326; CO 15087248 A 20150420; EP 13779320 A 20130926; ES 13779320 T 20130926; FR 2013052276 W 20130926; HK 16100306 A 20160112; MX 2015003796 A 20130926; PE 2015000424 A 20130926; US 201314430611 A 20130926