Title (en)
METHOD FOR PERFORMING OUTSIDE INJECTION FOR ROCK DRILLED DRILL PILES

Title (de)
VERFAHREN ZUR DURCHFÜHRUNG VON AUSSENEINSPRITZUNG FÜR GESTEINGEBOHRTE BOHRPFÄHLE

Title (fr)
PROCÉDÉ DE RÉALISATION D'INJECTION EXTÉRIEURE POUR TIGES DE FORAGE DE ROCHE

Publication
EP 2986814 A4 20161207 (EN)

Application
EP 14785617 A 20140417

Priority
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Abstract (en)
[origin: WO2014170535A1] Method for performing outside injection for into rock drilled drill piles in which case a drill pile pipe (4) is drilled into the ground by using a pilot bit (1) and a ring bit (2), which is attached to it so that it can be detached, so far that there is enough drilled hole also in the rock and that in the method the drill pile pipe (4) is pulled into the hole during the drilling and it also functions as a casing pipe by preventing the drilled hole from collapsing when one is drilling in a collapsible soil. The injection mass is directed into the injection depth at the mentioned inner surface with the help of the pipes (9) which are attached to the inner surface of the drill pile pipe (4) close to the lower end of the drill pile pipe (4) by which lower end the pipe (9) stops at an edge piece (10) and its direction is turned through the drill pile pipe (4) towards the space (8) to be injected.

IPC 8 full level
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CPC (source: EP FI US)
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Citation (search report)
• [A] DE 4441719 C1 19960118 - THALMEIER GEORG [AT]
• [A] US 2010276202 A1 20101104 - KRIESELS PETRUS CORNELIS [NL]
• [A] US 2009071651 A1 20090319 - PATEL DINESH R [US]
• See references of WO 2014170535A1

Designated contracting state (EPC)
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