

Title (en)
GROUND IMPROVING METHOD

Title (de)
BODENVERBESSERTUNGSVERFAHREN

Title (fr)
PROCÉDÉ D'AMÉLIORATION DU SOL

Publication
EP 3202982 A4 20180530 (EN)

Application
EP 15846895 A 20150527

Priority
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Abstract (en)
[origin: EP3202982A1] The present invention provides a method for improving ground capable of preventing a clod whose representative size is large from remaining in the ground. The present invention was accomplished by a method for improving ground comprising the steps of: cutting a ground by injecting a cutting fluid (e.g. high-pressure water or high-pressure air: including a case where a solidification material is injected) from jet devices (1, 10); feeding a solidification material; mixing a cut ground (G), the cutting fluid and the solidification material; and agitating a mixture thereof to form an underground consolidated body, wherein a plurality of nozzles (N1, N2) are located at an interval in a vertical direction in the jet devices (1, 10), and when the cutting fluid is injected, a cutting fluid (jet J1) is injected from an upward nozzle (N1) in a downward skewed direction, and a cutting fluid (jet J2) is injected from a downward nozzle (N2) in an upward skewed direction.

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Citation (search report)
• [X] JP 2013036213 A 20130221 - MATSUMOTO HIROKO, et al
• [X] JP 2001115442 A 20010424 - CHEMICAL GROUT CO
• [X] JP H10204875 A 19980804 - CHEMICAL GROUT CO
• [X] JP H07109726 A 19950425 - CHEMICAL GROUT CO
• [X] GB 2227037 A 19900718 - NIT CO LTD [JP]
• [A] JP 2000045262 A 20000215 - TOYO CONSTRUCTION
• See references of WO 2016051858A1

Designated contracting state (EPC)
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