

Title (en)
GROUND IMPROVEMENT METHOD

Title (de)
BODENVERBESSERUNGSVERFAHREN

Title (fr)
PROCÉDÉ D'AMÉLIORATION DE SOL

Publication
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Application
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• JP 2014109733 A 20140528
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Abstract (en)
[origin: EP3165678A1] The present invention provides a method for improving ground which is capable of improving the strength or quality of an underground consolidated body formed by reducing the ratio of water to a "rich-mixed" solidification material (a cement) (W/C), assuredly carrying the solidification material from a feed source to a jet device, and reducing the amount of the solidification material treated as an industrial waste in a construction process. The present invention was accomplished by a method for improving ground including: a step of drilling a drilling hole (H) in a ground to be improved (G); a step of moving (pulling up) a jet device (1) in a vertical direction by rotating the same while the jet device (1) is inserted into the drilling hole(H) and a fluid for cutting the ground(G) (a stable liquid or a partition forming material) is injected from the jet device (1); and a step of injecting a solidification material from the jet device (1).

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Citation (search report)
• [X] DE 10154201 A1 20030522 - OTTO FRANK [DE], et al
• [XA] JP 2004195387 A 20040715 - TOKO CORP
• [A] DE 3737259 C1 19890316 - BAUER SPEZIALTIEFBAU
• See references of WO 2015182635A1

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