

Title (en)
METHOD FOR STRENGTHENING SOILS AND OPERATING VEHICLE USABLE IN THE METHOD

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STABILISIERUNG VON BAUGRUND

Title (fr)
PROCÉDÉ DE STABILISATION D'UN SOL ET UNE MACHINE POUR FAIRE CE PROCÉDÉ

Publication
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Application
EP 18834045 A 20181217

Priority
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Abstract (en)
[origin: WO2019123212A1] A method for strengthening soils comprising: a step of making in the soil (1) a hole (2) that has a main line of extension which is at least mainly vertical; 5 a driving step wherein a micro-pile (11) is driven into the soil (1) at the hole (2); and a step of filling the hole (2) with a solidifiable material or with a compactable solid granular material; wherein the step of making the hole (2) in the soil (1) comprises an inserting step wherein a punch (4) is inserted in the soil (1) by applying a pressure to the punch, the punch comprising a lower tip (5) insertable in the soil (1), a top portion (6) opposite to the lower tip (5), an axis of extension that extends between the top portion (6) and the lower tip (5) and a cross-section that increases along the axis of extension going away from the lower tip (5), and 5 wherein the step of inserting the punch (4) in the soil (1) also causes compression and compacting of the soil (1) surrounding the hole (2).

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