

Title (en)

Machine and process for inserting columnnes in the ground

Title (de)

Vorrichtung und Verfahren zum Einbringen von Säulen im Boden

Title (fr)

Machine et procédé pour la réalisation de colonnes dans le sol

Publication

EP 2390419 B1 20160406 (FR)

Application

EP 11166557 A 20110518

Priority

FR 1054090 A 20100527

Abstract (en)

[origin: EP2390419A2] The machine (10) has a ground perforation tool i.e. vibratory needle (26), with an upper end (26a) connected to a supply unit made of construction material e.g. concrete, and a lower end (26b) with an orifice (28) to set the material. A tank (30) receives another construction material e.g. ballast. The tank is mounted at a lower end (18a) of a mast (18), and extended around the tool, so that the tool is slid via the tank. The tank has a truncated cone shaped lower end with an opening to dump the latter material. An introducing unit e.g. traction cable and gear, introduces tank in ground (S). An independent claim is also included for a method for realizing columns in the ground.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2669436A1; DE102015105701A1; CN115288121A; US10822762B2; EP3638854A4

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