

Title (en)

Laying a foundation by vibrating and fluidizing

Title (de)

Herstellung eines Fundaments durch Rütteln und Verflüssigen

Title (fr)

Installation d'une fondation par vibration et liquéfaction

Publication

EP 1992742 A2 20081119 (EN)

Application

EP 08075495 A 20080516

Priority

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Abstract (en)

The present invention relates to a method for inserting an anchor block into the ground (1) for laying a foundation, in particular for anchoring an engineering structure (2), comprising the steps of positioning a vibrating pipe (10) with a vibrating head (11) on the distal end, and introducing the vibrating pipe into the ground by means of a vibrating device (20). The characterizing feature of the method according to the invention is that during the insertion of the vibrating pipe (10) into the ground, in addition to the vibrating by means of a vibrating device (20), the ground around the vibrating head is also fluidized with a fluidization medium. The fluidization medium is fed through a fluidization channel (12) to the vibrating head (11) of the vibrating pipe (10). The fluidization medium flows out through at least one outflow aperture (17) at the level of the vibrating head and mixes with the soil around the vibrating head.

IPC 8 full level

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