Title (en)

METHOD AND DEVICE FOR CREATING AN UNDERWATER FOUNDATION OF A BUILDING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERSTELLEN EINES UNTERWASSERFUNDAMENTS EINES BAUWERKS

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE RÉALISER LA FONDATION SUBAQUATIQUE D'UN OUVRAGE

Publication

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Application

EP 10713137 A 20100407

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Abstract (en)

[origin: WO2010139380A1] The invention relates to a method and a device for creating an underwater foundation of a building, wherein a base element is provided as a module carrier (11) at the erection site and a pile (6) forms the foundation to be created or is a component of the foundation, wherein the pile (6) is implemented as a hollow body. The aim of the invention is to allow the creation of a foundation in geologically difficult conditions, while simultaneously reducing noise emissions in sensitive areas. The aim is achieved by clamping the pile (6) in a pivot module (13), by erecting the pile (6) by way of pivoting the pivot module (13), until the desired driving direction into the ground (9) relative to the horizontal is achieved, by locking the pivot module after erecting the desired slope, by sinking the pile (6) to the floor (8) of the water system (7) and pressing it into the floor (8) until a limit value of a driving force is reached, by installing a sinking device (24) in the pile (6) and sinking it to the floor (8), by loosening the rock (9) below the pile (6) and sinking the pile (6) until the final depth is reached.

IPC 8 full level

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