

Title (en)

VIBRATION GENERATOR AND METHOD FOR INSERTING A PILE ELEMENT INTO THE GROUND

Title (de)

SCHWINGUNGSERZEUGER UND VERFAHREN ZUM EINBRINGEN EINES RAMMGUTES IN EINEN BODEN

Title (fr)

DISPOSITIF DE PRODUCTION DE VIBRATIONS ET PROCEDE D'INTRODUCTION DE PROFILE DANS UN SOL

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2017076525A1] The invention relates to a vibration generator for generating a directional vibration and to a method for driving a pile into a soil. The vibration generator has a vibration unit, which has a first pair of rotatably mounted first unbalanced mass elements, which can be rotationally driven at a first rotational speed by means of a first rotary drive. According to the invention, the vibration unit has at least a second pair of rotatably mounted second unbalanced mass elements, which is mechanically decoupled from the first vibration unit. The second pair of unbalanced mass elements can be rotationally driven by a second rotary drive at a second rotational speed, which is different from the first rotational speed of the first unbalanced mass elements. Also provided is a control unit, with which the rotational speeds of the two rotary drives can be electrically and/or hydraulically changed in relation to one another and made to match one another.

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