

Title (en)

SOIL COMPACTING DEVICE COMPRISING A VIBRATION GENERATOR, AND METHOD FOR CONTROLLING THE VIBRATION GENERATOR

Title (de)

BODENVERDICHTUNGSVORRICHTUNG MIT SCHWINGUNGSERREGER UND VERFAHREN ZUM REGELN DES SCHWINGUNGSERREGERS

Title (fr)

DISPOSITIF DE COMPACTAGE DE SOL COMPORTANT UN GENERATEUR DE VIBRATIONS ET PROCEDE DE REGULATION DUDIT GENERATEUR DE VIBRATIONS

Publication

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Application

EP 01985279 A 20010919

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Abstract (en)

[origin: WO0225015A1] The invention relates to a soil compacting device comprising a vibration generator (3) that acts upon a soil contact plate (4). A controlling means of the vibration generator (3) comprises an amplitude-controlling unit (5) and a frequency-controlling unit (6). The amplitude-controlling unit (5) diminishes the vibration amplitude by a first amplitude difference when a bouncing of the soil contact plate (4) is detected. When no springing is detected within a clock timing, the amplitude-controlling unit (5) increases the vibration amplitude by a second amplitude difference. The frequency-controlling unit (6) determines the driving power that is output by a drive (3) to the vibration generator (3) and changes the vibration frequency so that the driving power approximately corresponds to a preset value. The amplitude control and the frequency control are advantageously carried out in parallel.

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