

Title (en)  
METHOD AND DEVICE FOR COMPRESSING GRANULAR MATERIALS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM VERDICHTEN VON KORNFÖRMIGEN STOFFEN

Title (fr)  
PROCEDE ET DISPOSITIF DE COMPRESSION DE MATIERES GRANULEUSES

Publication  
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Application  
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Abstract (en)  
[origin: WO0238365A1] The invention relates to a method and device for the compression of granular materials. On compressing granular material to give prepared products e.g. concrete paving slabs, a resonance vibrator with an oscillating mass-spring system is applied, which may be energised by a controllable energiser to produce forced oscillation of a given frequency and oscillatory amplitude. The resonant effect, making use of the proximity of the inherent resonance frequency and the exciter frequency permits a reduction in the size of the exciter force. According to the invention, along with an adjustment of the exciter frequency the resonant frequency is also simultaneously co-adjusted by means of a suitable adjuster, in order to be able to make use of the resonance effect throughout the whole spectrum of the exciter frequencies to be carried out.

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