

Title (en)

Method and apparatus for determining the degree of compaction during soil compacting

Title (de)

Verfahren und Vorrichtung zur Bestimmung des Verdichtungsgrades bei der Bodenverdichtung

Title (fr)

Procédé et appareil pour la détermination du degré de compaction pendant le compactage du sol

Publication

EP 1164223 A3 20030917 (DE)

Application

EP 01112767 A 20010526

Priority

DE 10028949 A 20000616

Abstract (en)

[origin: EP1164223A2] Oscillatory amplitude of the lower section (2) relative to the upper section (1), is measured at the excitation frequency. The amplitude is determined at up to 60% of the excitation frequency. The quotient of the values is taken as a measurement of the current degree of ground compaction. An Independent claim is included for corresponding equipment.

IPC 1-7

E01C 19/28; **E01C 19/38**

IPC 8 full level

E02D 3/046 (2006.01); **E01C 19/28** (2006.01); **E01C 19/38** (2006.01); **E02D 3/026** (2006.01)

CPC (source: EP US)

E01C 19/288 (2013.01 - EP US); **E01C 19/38** (2013.01 - EP US)

Citation (search report)

- [X] US 5695298 A 19971209 - SANDSTROEM ANGSTROM [SE]
- [X] US 5727900 A 19980317 - SANDSTROM AKE [SE]
- [A] US 4103554 A 19780801 - THURNER HEINZ FRIEDRICH
- [A] US 3703127 A 19721121 - KALTENEGGER BENNO

Cited by

DE102010019053A1; CN104233933A; DE102006008266B4; DE102006008266A1; AT518195A1; AT518195B1; DE202010017338U1; WO2022199970A1; US10914040B2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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