

Title (en)
Method and apparatus for dynamically compacting of soil

Title (de)
Verfahren und Vorrichtung zum dynamischen Verdichten von Boden

Title (fr)
Méthode et dispositif pour le compactage dynamique du sol

Publication
EP 0704575 A3 19960821 (DE)

Application
EP 95110476 A 19950705

Priority
DE 4434779 A 19940929

Abstract (en)
[origin: EP0704575A2] The dynamic compression system uses at least one compression roller (1, 3) which is oscillated via a variable direction oscillation force, to provide a horizontal displacement force and/or a vertical compression force. The oscillation movement of the roller and/or an associated component is detected, with the vertical component of the oscillation force reduced when a fault in the basic movement is detected until the fault is eliminated. Pref. the amplitude, the acceleration and/or the period duration of the oscillation movement is detected.

IPC 1-7
E01C 19/28

IPC 8 full level
E02D 3/026 (2006.01); **B06B 1/16** (2006.01); **E01C 19/28** (2006.01)

CPC (source: EP US)
E01C 19/286 (2013.01 - EP US); **E01C 19/288** (2013.01 - EP US)

Citation (search report)

- [DA] EP 0530546 A1 19930310 - BOMAG GMBH [DE]
- [A] WO 9420684 A1 19940915 - THURNER GEODYNAMIK AB [SE], et al

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DE102013020690A1; CN106049237A; FR2748500A1; CZ299778B6; CN106812050A; AT523034A2; EP2881516A1; US9334613B2; EP2881516B1

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AT BE CH DE DK ES FR GB IT LI NL SE

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EP 0704575 A2 19960403; EP 0704575 A3 19960821; EP 0704575 B1 19980722; AT E168731 T1 19980815; CA 2157428 A1 19960330; CA 2157428 C 20040113; DE 4434779 A1 19960404; DE 59502876 D1 19980827; DK 0704575 T3 19981109; ES 2122404 T3 19981216; JP 3193988 B2 20010730; JP H08105011 A 19960423; US 5797699 A 19980825

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