

Title (en)

VIBRATING PLATE WITH INDIVIDUALLY ADJUSTABLE VIBRATION GENERATORS

Title (de)

VIBRATIONSPLATTE MIT INDIVIDUELL EINSTELLBAREN SCHWINGUNGSERREGERN

Title (fr)

PLAQUE DE VIBRATION A GENERATEURS DE VIBRATIONS INDIVIDUELLEMENT REGLABLES

Publication

EP 1893819 B1 20100428 (DE)

Application

EP 06754535 A 20060623

Priority

- EP 2006006084 W 20060623
- DE 102005029434 A 20050624

Abstract (en)

[origin: DE102005029434A1] Vibrating plate comprises upper mass with drive, lower mass with soil contact plate and vibration generator device, which belongs to lower mass and acts upon soil contact plate. The vibration generator device comprises at least two individual exciters (13) each with unbalanced shaft (2). The individual exciters can be individually controlled with regard to the rotational speed and/or phase position of the respectively assigned unbalanced shaft. A mechanical coupling of the unbalanced shafts is unnecessary. The unbalanced shaft of an individual exciter can be rotationally driven by a hydraulic motor (4). The position of the unbalanced shaft is determined in at least one position by a position indicator.

IPC 8 full level

E02D 3/074 (2006.01)

CPC (source: EP US)

B06B 1/186 (2013.01 - EP US); **E01C 19/38** (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE GB LI SE

DOCDB simple family (publication)

DE 102005029434 A1 20061228; CN 101300390 A 20081105; CN 101300390 B 20110525; DE 502006006857 D1 20100610; EP 1893819 A1 20080305; EP 1893819 B1 20100428; JP 2008546932 A 20081225; US 2010166499 A1 20100701; WO 2006136443 A1 20061228

DOCDB simple family (application)

DE 102005029434 A 20050624; CN 200680021555 A 20060623; DE 502006006857 T 20060623; EP 06754535 A 20060623; EP 2006006084 W 20060623; JP 2008517431 A 20060623; US 91799506 A 20060623