

Title (en)

VIBRATOR FOR A GROUND COMPACTING APPARATUS

Title (de)

SCHWINGUNGSERREGER FÜR BODENVERDICHTUNGSVORRICHTUNG

Title (fr)

GÉNÉRATEUR DE VIBRATIONS POUR DISPOSITIF DE COMPACTAGE DU SOL

Publication

EP 2150358 A1 20100210 (DE)

Application

EP 08716715 A 20080328

Priority

- EP 2008002501 W 20080328
- DE 102007018353 A 20070418

Abstract (en)

[origin: WO2008128619A1] Disclosed is a vibrator (2) for a vibration plate used for compacting ground. Said vibrator (2) comprises two parallel shafts (5a, 5b) which are coupled to be rotatable in opposite directions and on each of which at least one unbalanced mass (6a, 6b) is disposed. A phase adjusting mechanism (7) is used for modifying the phase angle of the two unbalanced masses (6a, 6b) relative to each other. In order to do so, the actual phase angle of the two unbalanced masses (6a, 6b) is detected with the help of proximity sensors (10). A regulating device (8) compares the actual phase angle with a desired phase angle that is predefined by the operator and controls the phase adjusting mechanism (7) in such a way that the difference between the actual phase angle and the desired phase angle is minimal.

IPC 8 full level

B06B 1/16 (2006.01); **E02D 3/074** (2006.01)

CPC (source: EP US)

B06B 1/166 (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US); **Y10T 74/18344** (2015.01 - EP US)

Citation (search report)

See references of WO 2008128619A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007018353 A1 20081030; CN 101678399 A 20100324; EP 2150358 A1 20100210; US 2010139424 A1 20100610; WO 2008128619 A1 20081030

DOCDB simple family (application)

DE 102007018353 A 20070418; CN 200880012403 A 20080328; EP 08716715 A 20080328; EP 2008002501 W 20080328; US 59604308 A 20080328