

Title (en)
Vibration generator

Title (de)
Schwingungserreger

Title (fr)
Générateur de vibrations

Publication
EP 1967292 B1 20141029 (DE)

Application
EP 07016396 A 20070822

Priority
DE 202007003532 U 20070307

Abstract (en)
[origin: DE202007003532U1] The vibrator, especially for a road surface tamping machine, has an adjustment mechanism to set the relative rotary positions of the out-of-balance masses (511,521,531). It has at least one rotary vane swing motor (6) with a rotor shaft (61) and a stator housing (62) with a variable rotary position in relation to the rotor shaft. The stator housing has at least one covering closure, coated durably at least partially with a sliding alloy for the radial and axial positioning of the rotor shaft. At least one shaft seal is between the rotor shaft and the stator housing, with a support unit and hydraulic tensioning.

IPC 8 full level
B06B 1/16 (2006.01); **E02D 3/054** (2006.01); **E02D 3/074** (2006.01); **E02D 7/18** (2006.01)

CPC (source: EP US)
B06B 1/166 (2013.01 - EP US); **E02D 3/054** (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US); **E02D 7/18** (2013.01 - EP US)

Cited by
EP3696327A1; US10988908B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 202007003532 U1 20070705; EP 1967292 A2 20080910; EP 1967292 A3 20131113; EP 1967292 B1 20141029;
US 2008219085 A1 20080911; US 8070352 B2 20111206

DOCDB simple family (application)
DE 202007003532 U 20070307; EP 07016396 A 20070822; US 98553507 A 20071115