

Title (en)

Oscillation exciter for creating an aligned excited oscillation

Title (de)

Schwingungserreger zur Erzeugung einer gerichteten Erregerschwingung

Title (fr)

Générateur de vibrations pour produire une vibration de source ciblée

Publication

**EP 2564943 A3 20170426 (DE)**

Application

**EP 12005082 A 20120709**

Priority

DE 102011112316 A 20110902

Abstract (en)

[origin: EP2564943A2] The exciter (1) has two parallel extending unbalance shafts rotatable against one another, on which fixed unbalance mass and movable unbalance mass are arranged. The angular positions of movable unbalance masses are varied by adjusting device for adjusting the amplitude of exciter vibration. The adjusting device has a central adjusting element for amplitude adjustment which acts on movable unbalance masses of the two unbalance shafts. The adjusting element is arranged coaxially to rotational axis about which the exciter is rotatable for vector adjustment of excitation vibration.

IPC 8 full level

**B06B 1/16** (2006.01)

CPC (source: EP US)

**B06B 1/166** (2013.01 - EP US); **Y10T 74/18552** (2015.01 - EP US)

Citation (search report)

- [XA] DE 69106284 T2 19950803 - KENCHO KOBE CO LTD [JP]
- [AD] DE 10241200 A1 20040325 - WACKER CONSTRUCTION EQUIPMENT [DE]
- [A] DE 102008050576 A1 20100408 - BOMAG GMBH [DE]

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2564943 A2 20130306; EP 2564943 A3 20170426**; CN 102979081 A 20130320; CN 102979081 B 20151125;  
DE 102011112316 A1 20130307; DE 102011112316 B4 20200610; JP 2013053513 A 20130321; JP 5963615 B2 20160803;  
US 2013055835 A1 20130307; US 9192962 B2 20151124

DOCDB simple family (application)

**EP 12005082 A 20120709**; CN 201210298594 A 20120821; DE 102011112316 A 20110902; JP 2012190221 A 20120830;  
US 201213565899 A 20120803