

Title (en)
VIBRATOR

Title (de)
RÜTTLER

Title (fr)
VIBROFONCEUR

Publication
EP 3256646 A1 20171220 (DE)

Application
EP 16706521 A 20160210

Priority
• DE 202015001041 U 20150211
• DE 202015003475 U 20150511
• EP 2016000224 W 20160210

Abstract (en)
[origin: WO2016128136A1] The invention relates in general to a vibrator for generating vibrations. The invention relates in particular to an exciter cell having unbalanced masses which can be driven in a rotatory manner and which are rotatably mounted in an exciter cell housing and having an adjusting unit for adjusting the phase position of the unbalanced masses relative to each other. According to the invention, the adjusting unit is designed as a planetary gearing which has at least two output strands which are coupled to the unbalanced masses of the exciter cell which are phase-adjustable relative to each other and an adjusting input strand for changing the phase position of the output strands of the planetary gearing.

IPC 8 full level
E02D 7/18 (2006.01)

CPC (source: CN EP RU US)
B06B 1/166 (2013.01 - CN EP US); **E02D 7/18** (2013.01 - CN EP RU US)

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)
DE 202015003475 U1 20160512; CN 107427863 A 20171201; CN 107427863 B 20190906; EP 3256646 A1 20171220;
EP 3256646 B1 20200401; ES 2801051 T3 20210108; RU 2017131235 A 20190311; RU 2017131235 A3 20190507; RU 2691781 C2 20190618;
US 10376921 B2 20190813; US 2017333947 A1 20171123; WO 2016128136 A1 20160818

DOCDB simple family (application)
DE 202015003475 U 20150511; CN 201680009913 A 20160210; EP 16706521 A 20160210; EP 2016000224 W 20160210;
ES 16706521 T 20160210; RU 2017131235 A 20160210; US 201715673249 A 20170809