

Title (en)
Vibration creator

Title (de)
Schwingungserzeuger

Title (fr)
Dispositif de production de vibrations

Publication
EP 2105214 B1 20180912 (DE)

Application
EP 08103166 A 20080328

Priority
EP 08103166 A 20080328

Abstract (en)
[origin: EP2105214A1] The vibrator has shaft groups (1, 2) on which unbalanced mass groups (111, 121, 211, 221) are arranged. The unbalanced mass groups connected with a drive such that the mass groups are rotationally displaced to each other with different speed for obtaining directed feed. An oscillating motor e.g. rotor oscillating motor, adjusts an effective direction of the vibrator, and changes phase displacement of the mass groups to each other. The mass groups are connected with the oscillating motor by gear wheels (112, 122, 212, 222).

IPC 8 full level
B06B 1/16 (2006.01)

CPC (source: EP US)
B06B 1/166 (2013.01 - EP US); **Y10T 74/18344** (2015.01 - EP US)

Cited by
EP3165290A1; CN110907186A; CN114072244A; CN107427863A; CN102107180A; WO2017076525A1

Designated contracting state (EPC)
AT DE FR GB NL

DOCDB simple family (publication)
EP 2105214 A1 20090930; EP 2105214 B1 20180912; US 2009243410 A1 20091001; US 7804211 B2 20100928

DOCDB simple family (application)
EP 08103166 A 20080328; US 38134409 A 20090311