

Title (en)  
VIBRATOR DEVICE

Title (de)  
VIBRATORVORRICHTUNG

Title (fr)  
DISPOSITIF DE VIBREUR

Publication  
**EP 3325181 A4 20190306 (EN)**

Application  
**EP 15898841 A 20150717**

Priority  
FI 2015000032 W 20150717

Abstract (en)  
[origin: WO2017013303A1] A vibrator device for producing impacts or vibration with adjustable intensity, the vibrator device comprising at least two rotatable eccentric masses (m1, m2) whereby each mass is placed to rotate on its own shaft, and the rotation of said shafts is arranged to take place by at least one rotating motor (M), and that between said eccentric masses (m1, m2) there is provided a mechanism conveying rotational force among said masses and including a shaft (1) conveying rotational force, as well as a wheel (3), such as a gear, rotating in cooperation with both said masses and provided with a centre opening. Said wheels (3) are interconnected by such a shaft (1) whose both ends contain a mating thread (2) fitting the screw thread arranged in the centre opening on both of said wheels, and to adjust the mutual rotating of the masses (m1, m2) the interconnecting shaft (1) may be moved in the axial direction by a power unit.

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

CPC (source: EP)  
**B06B 1/166** (2013.01)

Citation (search report)

- [I] US 5177386 A 19930105 - SHIMADA FUBITO [JP]
- [I] JP 2865934 B2 19990308
- [A] DE 3634093 A1 19880414 - MOZDZANOWSKI JOACHIM [DE]
- See also references of WO 2017013303A1

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

DOCDB simple family (publication)  
**WO 2017013303 A1 20170126**; EP 3325181 A1 20180530; EP 3325181 A4 20190306; EP 3325181 B1 20230809; PL 3325181 T3 20240205

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