

Title (en)
Compacting machine

Title (de)
Verdichtungsmaschine

Title (fr)
Machine de compactage

Publication
EP 2740846 B1 20170201 (DE)

Application
EP 13005616 A 20131203

Priority
DE 102012024104 A 20121210

Abstract (en)
[origin: EP2740846A1] The machine has shafts (4, 8) connected to an unbalanced mass and a drum, and transferring imbalance forces from the mass to the drum. The shafts are mounted in sliding bearings (3, 7). The bearings absorb the imbalance forces and driving forces. A vibration drive (1) complies with a principal of a hydraulic geared engine. The drive includes a driving shaft (11), and transfers vibration to the drum. Gear wheels (5, 9) are connected to the shafts. One of the shafts (4) is connected to the driving shaft, and an axis of the other shaft (8) is not in alignment with an axis of the driving shaft. The vibration drive is a gear motor.

IPC 8 full level
E02D 3/026 (2006.01); **E01C 19/28** (2006.01)

CPC (source: EP US)
E01C 19/286 (2013.01 - EP US); **E01C 19/38** (2013.01 - US); **E02D 3/026** (2013.01 - EP US); **E02D 3/074** (2013.01 - US)

Citation (examination)

- DE 19529115 A1 19970306 - WACKER WERKE KG [DE]
- WO 0244475 A1 20020606 - HAMM AG [DE], et al

Cited by
CN109610274A; CN111576386A; EP4137270A1; WO2023020837A1

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)
EP 2740846 A1 20140611; EP 2740846 B1 20170201; DE 102012024104 A1 20140612; JP 2014139397 A 20140731; JP 6433654 B2 20181205; US 2014161529 A1 20140612; US 8961066 B2 20150224

DOCDB simple family (application)
EP 13005616 A 20131203; DE 102012024104 A 20121210; JP 2013255083 A 20131210; US 201314101778 A 20131210