

Title (en)  
Road roller

Title (de)  
Bodenverdichtungsmaschine

Title (fr)  
Compacteur routier

Publication  
**EP 2881516 B2 20200325 (DE)**

Application  
**EP 14004040 A 20141201**

Priority  
DE 102013020690 A 20131203

Abstract (en)  
[origin: US2015152606A1] The present invention relates to a soil compaction machine, in particular, a vibration compactor, which comprises a vibration exciter for generating different kinds of exciter vibration having a first and a second imbalance shaft, which are arranged in parallel to one another. Each imbalance shaft is driven via a separate motor, so that the rotational velocity, the rotational direction, and the phase relation of each of the imbalance shafts can be changed separately.

IPC 8 full level  
**E01C 19/28** (2006.01); **E01C 19/35** (2006.01); **E01C 19/38** (2006.01)

CPC (source: EP US)  
**B06B 1/161** (2013.01 - US); **E01C 19/282** (2013.01 - US); **E01C 19/283** (2013.01 - EP US); **E01C 19/286** (2013.01 - EP US); **E01C 19/35** (2013.01 - EP US); **E01C 19/38** (2013.01 - EP US); **E02D 3/026** (2013.01 - US)

Citation (opposition)  
Opponent :

- EP 0951949 A1 19991027 - INT CONSTRUCTION EQUIPMENT B V [NL]
- EP 0092014 A1 19831026 - LOSENHAUSEN MASCHINENBAU AG [DE]
- WO 2008000535 A1 20080103 - BELLMER GMBH MASCHINENFABRIK G [DE], et al
- CN 101864772 B 20121121 - UNIV HOHAI CHANGZHOU, et al
- DE 102005029434 A1 20061228 - WACKER CONSTRUCTION EQUIPMENT [DE]
- EP 0980292 B1 20021030 - WACKER WERKE KG [DE]
- CN 102605706 A 20120725 - XCMG CONSTR MACHINERY CO LTD SCIENCE & TECHNOLOGY BRANCH
- EP 1481739 A1 20041201 - KANDT SPECIAL CRANE EQUIPMENT [NL]

Cited by  
DE102017122371A1; RU205972U1; EP3461952A1; US11478823B2; US10501904B2

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)  
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**EP 14004040 A 20141201**; CN 201410858510 A 20141203; DE 102013020690 A 20131203; JP 2014244647 A 20141203; US 201414558860 A 20141203