

Title (en)

Vibration device for a soil compacting machine, and soil compacting machine

Title (de)

Schwingungserreger für ein Bodenverdichtungsgerät und Bodenverdichtungsgerät

Title (fr)

Dispositif de vibration pour appareil de compactage du sol et appareil de compactage du sol

Publication

EP 2390416 A3 20150819 (DE)

Application

EP 11004265 A 20110524

Priority

DE 102010021961 A 20100528

Abstract (en)

[origin: EP2390416A2] The exciter (100) has an exciter shaft rotatable around a rotation axis and comprising an exciter weight (120) that is arranged at the exciter shaft. A reverting weight (130) is arranged relative to the exciter shaft in a rotary movable manner. The reverting weight is rotated around another rotation axis, where the former rotation axis and the latter rotation axis are axially displaced together and lie parallel to each other. The exciter shaft and exciter weight are designed as a single piece. The reverting weight is supported at the exciter weight at a bearing (131) via a bearing pin (135).

IPC 8 full level

E01C 19/28 (2006.01); **E02D 3/074** (2006.01)

CPC (source: EP US)

E01C 19/286 (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US); **Y10T 74/18344** (2015.01 - US); **Y10T 74/18544** (2015.01 - US); **Y10T 74/18552** (2015.01 - US)

Citation (search report)

- [X] CH 537217 A 19730531 - POLYSERVICE AG [CH]
- [X] DE 2755075 A1 19790613 - BOSCH GMBH ROBERT
- [AD] US 7059802 B1 20060613 - GEIER DANIEL [US], et al

Cited by

DE102023200675A1; WO2024156422A1; EP2989252A4

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)

EP 2390416 A2 201111130; EP 2390416 A3 20150819; EP 2390416 B1 20171122; CN 102418336 A 20120418; CN 102418336 B 20140924; DE 102010021961 A1 20120419; US 2011290048 A1 20111201; US 8590408 B2 20131126

DOCDB simple family (application)

EP 11004265 A 20110524; CN 201110239986 A 20110527; DE 102010021961 A 20100528; US 201113116184 A 20110526