

Title (en)
Vibrating tamper for compacting a base

Title (de)
Vibrationsstampfer zur Verdichtung eines Untergrundes

Title (fr)
Vibrocompacteur destiné à étanchéifier un sous-sol

Publication
EP 2434053 A3 20150826 (DE)

Application
EP 11007669 A 20110921

Priority
DE 102010046401 A 20100923

Abstract (en)
[origin: EP2434053A2] The tool (1) has a bearing placed in a housing of an eccentric cam gear wheel (7). Another bearing transfers mechanical work of a motor (5) to a base (3). The base comprises a stamping foot housing with a stamping plate (13) extending along a stamping axis (9) that is parallel to a plane of the latter bearing placed in a connecting rod. The stamping axis is formed between the former bearing and the plane of the latter bearing, and is displaced toward the motor. The connecting rod is bent toward the motor. A driven shaft is oriented vertically to the stamping axis.

IPC 8 full level
E01C 19/35 (2006.01); **E01C 19/38** (2006.01); **E02D 3/046** (2006.01); **E02D 3/074** (2006.01)

CPC (source: EP US)
E01C 19/35 (2013.01 - EP US); **E01C 19/38** (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US)

Citation (search report)

- [A] WO 0223017 A1 20020321 - WACKER WERKE KG [DE], et al
- [A] US 3259035 A 19660705 - PFUNDT GEORGE M
- [A] US 4186197 A 19800129 - TETSUO SUSUMU [JP]
- [A] US 2002014129 A1 20020207 - GREPPMAIR MARTIN [DE]

Cited by
DE102016009029A1; DE102016009086A1; WO2018019408A1; US10801167B2

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)
DE 102010046401 A1 20120119; CN 102561303 A 20120711; CN 102561303 B 20151125; EP 2434053 A2 20120328; EP 2434053 A3 20150826; EP 2434053 B1 20160323; JP 2012077605 A 20120419; JP 5704569 B2 20150422; US 2012076583 A1 20120329; US 8491222 B2 20130723

DOCDB simple family (application)
DE 102010046401 A 20100923; CN 201110348595 A 20110923; EP 11007669 A 20110921; JP 2011207119 A 20110922; US 201113238438 A 20110921