

Title (en)  
COMPACTION DEVICE AND METHOD FOR COMPACTING GROUND

Title (de)  
VERDICHUNGSGERÄT, SOWIE VERFAHREN ZUM VERDICHEN VON BÖDEN

Title (fr)  
APPAREIL DE COMPACTAGE ET PROCÉDÉ DE COMPACTAGE DE SOLS

Publication  
**EP 2504490 B1 20170111 (DE)**

Application  
**EP 10781912 A 20101129**

Priority  
• DE 102009055950 A 20091127  
• DE 202010005962 U 20100421  
• EP 2010068418 W 20101129

Abstract (en)  
[origin: DE102009055950A1] The compactor has a movable drum (2) rotatable around a drum axle (1). The drum is divided into two drum parts, where each drum part comprises a vibration generator that is supported at a distance from the drum axle in the drum. The vibration generator producing oscillatory torsional moment is coupled with an unbalanced mass around the drum axle, where the unbalanced mass is rotated around 180 degrees. A drive shaft arranged coaxial to the drum axle drives the vibration generator.

IPC 8 full level  
**E01C 19/28** (2006.01); **E02D 3/074** (2006.01)

CPC (source: EP US)  
**E01C 19/282** (2013.01 - EP US); **E01C 19/286** (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US)

Cited by  
DE102017122370A1; DE102017122371A1; WO2019063540A1; EP3461952A1; US2019093299A1; EP4234813A3; US10501904B2; US11248350B2; EP4234813A2; US11913178B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 202010005962 U1 20100930**; AU 2010323083 A1 20120524; AU 2010323083 B2 20140501; BR 112012012812 A2 20160816; BR 112012012812 B1 20190702; CA 2782094 A1 20110603; CA 2782094 C 20141125; CN 102985616 A 20130320; CN 102985616 B 20150826; DE 102009055950 A1 20110601; DE 202010018525 U1 20170907; EP 2504490 A2 20121003; EP 2504490 B1 20170111; JP 2013512358 A 20130411; JP 5572819 B2 20140820; RU 2012126678 A 20140120; RU 2513604 C2 20140420; US 2012301221 A1 20121129; US 9039324 B2 20150526; WO 2011064367 A2 20110603; WO 2011064367 A3 20120628

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