

Title (en)  
Tamper for soil compaction

Title (de)  
Stampfgerät zur Bodenverdichtung

Title (fr)  
Pilon pour compactage du sol

Publication  
**EP 2251488 A3 20120926 (DE)**

Application  
**EP 10162811 A 20100514**

Priority  
DE 102009003113 A 20090514

Abstract (en)  
[origin: EP2251488A2] The device (1) has working mass (4) driveable in a compacting manner, where the working mass is linearly movable back and forth via a crank mechanism, a piston (16) and a spring set (3) by a motor belonging to an upper mass (2). The spring set includes two springs (17, 18) i.e. compression springs, where one of the springs is compressible during a forward movement of the piston and the other spring is compressible during a backward movement of the piston. The latter spring is arranged within a free space inside the former spring. The piston exhibits a pot shape.

IPC 8 full level  
**E02D 3/068** (2006.01)

CPC (source: EP)  
**E02D 3/068** (2013.01)

Citation (search report)

- [X] DE 19739743 A1 19990318 - WACKER WERKE KG [DE]
- [X] US 2004165953 A1 20040826 - GREPPMAIR MARTIN [DE]
- [X] US 4104001 A 19780801 - UEBEL PHILIP

Cited by  
CN108487223A; CN113073515A; CN111139813A; CN105332369A

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2251488 A2 20101117; EP 2251488 A3 20120926; EP 2251488 B1 20151111**

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