

Title (en)
SOIL COMPACTING MACHINE

Title (de)
BODENVERDICHTUNGSVORRICHTUNG

Title (fr)
VIBREUR POUR COMPACTER LE SOL

Publication
EP 2376713 B1 20140723 (DE)

Application
EP 10700378 A 20100112

Priority
• EP 2010000108 W 20100112
• DE 102009004443 A 20090113

Abstract (en)
[origin: WO2010081674A1] A tamper as a soil-compacting device has a combustion engine (1), a soil contact element (6) and a motion conversion device (5) for converting a rotary movement of the combustion engine (1) into an oscillating linear movement of the soil contact element (6). Furthermore, a clutch device for connecting and interrupting the force flow between the combustion engine (1) and the motion conversion device (5) is provided. In addition to the combustion engine (1), an electric motor (20) with a rotor (21) and a stator (22) is provided, wherein the operator can switch between the combustion engine (1) and the electric motor (20). The rotor (21) can be arranged directly on a clutch bell (13) of the clutch device (8).

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

CPC (source: EP US)
E02D 3/046 (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US)

Designated contracting state (EPC)
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

DOCDB simple family (publication)
DE 102009004443 A1 20100722; DE 102009004443 B4 20101021; CN 102084068 A 20110601; CN 102084068 B 20140312; EP 2376713 A1 20111019; EP 2376713 B1 20140723; US 2011097149 A1 20110428; US 8317426 B2 20121127; WO 2010081674 A1 20100722

DOCDB simple family (application)
DE 102009004443 A 20090113; CN 201080001923 A 20100112; EP 10700378 A 20100112; EP 2010000108 W 20100112; US 99773310 A 20100112