Title (en)

SOIL COMPACTOR AND METHOD FOR OPERATING SAME

Title (de)

BODENVERDICHTER UND VERFAHREN ZUM BETREIBEN EINES BODENVERDICHTERS

Title (fr)

COMPACTEUR ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 3252232 B1 20190306 (DE)

Application

EP 17172417 A 20170523

Priority

DE 102016109888 A 20160530

Abstract (en)

[origin: JP2017214820A] PROBLEM TO BE SOLVED: To provide a soil compactor for rolling compaction of asphalt applied on a ground for roller compaction of the ground.SOLUTION: A soil compactor includes: at least two vibration compaction rollers 14, 16 rotatable respectively around a roller rotation axis; vibration generating structures 22, 24 for generating vibratory motion of the vibration compaction rollers 14, 16, for each of the vibration compaction rollers 14, 16; vibration detection structures 38, 54 for preparing a vibration value indicating the vibratory motion of each of the vibration compaction rollers 14, 16, for each of the vibration compaction rollers 14, 16; and control structures 36, 56 for controlling at least either of the vibration generating structures 22, 24 based on the vibration value prepared for the vibration compaction rollers 14, 16, so that the vibratory motion of the vibration compaction rollers 14, 16 have predetermined mutual phase displacement.SELECTED DRAWING: Figure 2

IPC 8 full level

E01C 19/28 (2006.01); **E02D 3/026** (2006.01); **E02D 3/074** (2006.01)

CPC (source: CN EP US)

E01C 19/28 (2013.01 - CN); **E01C 19/282** (2013.01 - CN EP US); **E01C 19/286** (2013.01 - EP US); **E01C 19/288** (2013.01 - EP US); **E02D 3/026** (2013.01 - EP US); **E02D 3/074** (2013.01 - EP US); B06B 1/16 (2013.01 - US)

Citation (opposition)

Opponent : BOMAG GmbH

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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

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EP 3252232 A1 20171206; **EP 3252232 B1 20190306**; **EP 3252232 B2 20220518**; CN 107447632 A 20171208; CN 207685636 U 20180803; DE 102016109888 A1 20171130; JP 2017214820 A 20171207; JP 6700217 B2 20200527; US 10443201 B2 20191015; US 2017342668 A1 20171130

DOCDB simple family (application)

EP 17172417 A 20170523; CN 201710386013 A 20170526; CN 201720601621 U 20170526; DE 102016109888 A 20160530; JP 2017105334 A 20170529; US 201715591148 A 20170510