

Title (en)

SOIL COMPACTOR AND METHOD FOR COMPACTING A SOIL

Title (de)

BODENVERDICHTER UND VERFAHREN ZUM VERDICHTEN VON UNTERGRUND

Title (fr)

COMPACTEUR DE SOL ET PROCÉDÉ DE COMPACTAGE DE SOL

Publication

EP 3181753 A1 20170621 (DE)

Application

EP 16203935 A 20161214

Priority

DE 102015122161 A 20151218

Abstract (en)

[origin: JP2017110490A] PROBLEM TO BE SOLVED: To provide a compactor and a method for compacting the ground which can reliably prevent a ground material to be compacted from attaching to a periphery of one or a plurality of compacting roller of the compactor. SOLUTION: A compactor (10) comprises: at least one compacting roller (18 or 22) which can be rotated around a rotation shaft; a temperature detection structural body (42) which obtains temperature information representing a temperature of the ground (U, Uand U) in a working region of the compactor; a water sprinkling structural body (24 or 28) which is installed for each of at least one compacting roller (18 or 22) to sprinkle liquid over the same; and a control structural body (40) which controls at least one water sprinkling structural body (24 or 28) and/or generates a water sprinkling instruction on the basis of the temperature information. SELECTED DRAWING: Figure 1

Abstract (de)

Ein Bodenverdichter umfasst wenigstens eine um eine Drehachse drehbare Verdichterwalze (18, 22), eine Temperaturerfassungsanordnung (42) zur Bereitstellung von eine Temperatur eines Untergrunds (U 1 , U 2 , U 3) im Bereich des Bodenverdichters (10) repräsentierender Temperaturinformation, in Zuordnung zu wenigstens einer Verdichterwalze (18, 22) eine Berieselungsanordnung (24, 28) zur Berieselung dieser Verdichterwalze (18, 22) mit Flüssigkeit sowie eine Ansteueranordnung (40) zur Ansteuerung wenigstens einer Berieselungsanordnung (24, 28) oder/und zur Erzeugung eines Berieseln-Hinweises auf Grundlage der Temperaturinformation.

IPC 8 full level

E01C 19/23 (2006.01)

CPC (source: CN EP US)

E01C 19/23 (2013.01 - US); **E01C 19/238** (2013.01 - EP US); **E01C 19/26** (2013.01 - CN US)

Citation (search report)

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- [A] US 8714869 B1 20140506 - RIES MICHAEL W [US], et al
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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3181753 A1 20170621; **EP 3181753 B1 20190206**; CN 106894314 A 20170627; CN 106894314 B 20200327; CN 206418377 U 20170818; DE 102015122161 A1 20170622; JP 2017110490 A 20170622; JP 6794241 B2 20201202; US 10006175 B2 20180626; US 2017175344 A1 20170622

DOCDB simple family (application)

EP 16203935 A 20161214; CN 201611159276 A 20161215; CN 201621377035 U 20161215; DE 102015122161 A 20151218; JP 2016244121 A 20161216; US 201615378190 A 20161214