

Title (en)
SOIL COMPACTING ROLLER

Title (de)
BODENBEARBEITUNGSWALZE

Title (fr)
ROULEAU COMPACTEUR DE SOL

Publication
EP 3832015 B1 20230315 (DE)

Application
EP 20205347 A 20201103

Priority
DE 102019132917 A 20191204

Abstract (en)
[origin: CN112900201A] A soil working roller for a soil processing machine, in particular a soil compactor, comprising a roller shell extending longitudinally in a direction of a roller axis of rotation (D) and delimiting a roller interior (26), at least one ballast unit (46, 48) arranged in the roller interior (26), characterized in that each ballast unit (46, 48) comprises at least one ballast element (54) supported with respect of the roller shell (24) by means of an elastic suspension assembly (58), wherein the at least one ballast element (54) is permanently coupled to the roller shell (24) by the suspension assembly (58) and is movable with respect to the roller shell in the radial direction, axial direction, and circumferential direction, and/or a plurality of ballast units (46, 48) is provided in the roller interior (26) arranged in series in the circumferential direction, wherein each ballast unit (46, 48) comprises at least one ballast element supported with respect to the roller shell (24) by means of an elastic suspension assembly (58).

IPC 8 full level
E01C 19/23 (2006.01); **E01C 19/28** (2006.01); **E02D 3/026** (2006.01); **E02D 3/074** (2006.01)

CPC (source: CN EP US)
B06B 1/16 (2013.01 - CN); **E01C 19/23** (2013.01 - US); **E01C 19/236** (2013.01 - EP); **E01C 19/26** (2013.01 - US); **E01C 19/28** (2013.01 - CN); **E01C 19/282** (2013.01 - CN); **E01C 19/286** (2013.01 - CN EP); **E02D 3/026** (2013.01 - CN EP); **E02D 3/0265** (2013.01 - CN); **E02D 3/074** (2013.01 - EP)

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

DOCDB simple family (publication)
EP 3832015 A1 20210609; **EP 3832015 B1 20230315**; CN 112900201 A 20210604; CN 112900201 B 20230131; CN 215482129 U 20220111; DE 102019132917 A1 20210610; US 11542669 B2 20230103; US 2021172127 A1 20210610

DOCDB simple family (application)
EP 20205347 A 20201103; CN 202011412346 A 20201204; CN 202022887581 U 20201204; DE 102019132917 A 20191204; US 202017109495 A 20201202