

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 to 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  
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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)

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