

Title (en)

IMBALANCE ARRANGEMENT FOR A COMPACTOR ROLLER OF A SOIL COMPACTOR

Title (de)

UNWUCHTANORDNUNG FÜR EINE VERDICHTERWALZE EINES BODENVERDICHTERS

Title (fr)

BALOURD POUR UN ROULEAU D'ENGIN DE COMPACTAGE D'UN ENGIN DE COMPACTAGE DE SOL

Publication

EP 3901371 B1 20230503 (DE)

Application

EP 21163305 A 20210318

Priority

DE 102020110952 A 20200422

Abstract (en)

[origin: CN113529539A] An unbalance arrangement for a compactor roller of a soil compacter includes a first unbalance mass unit (34) rotatable around an unbalance axis (U) of rotation having a first center (M1) of mass eccentric with respect to the unbalance axis (U) of rotation, a second unbalance mass unit (36) rotatable around the unbalance axis (U) of rotation having a second center (M2) of mass eccentric with respect to the unbalance axis of rotation, an unbalance drive (42) for jointly driving the first unbalance mass unit (34) and the second unbalance mass unit (36) to rotate around the unbalance axis (U) of rotation, and a phase position adjustment unit (46) for adjusting a phase position of the first center (M1) of mass with respect to the second center (M2) of mass around the unbalance axis (U) of rotation. The phase position adjustment unit (46) includes a spur gear arrangement (68) in the torque transmission path between the unbalance drive (42) and the first unbalance mass unit (34) or the second unbalance mass unit (36).

IPC 8 full level

E01C 19/28 (2006.01); **B06B 1/16** (2006.01)

CPC (source: CN EP US)

B06B 1/162 (2013.01 - EP); **B06B 1/166** (2013.01 - CN); **E01C 19/28** (2013.01 - CN); **E01C 19/286** (2013.01 - CN EP); **E02D 3/026** (2013.01 - CN); **E02D 3/074** (2013.01 - US)

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