

Title (en)

COMPACTION MACHINE WITH A RECIPROCATING BODY BETWEEN TWO REVERSAL POINTS

Title (de)

VERDICHUNGSMASCHINE MIT EINEM ZWISCHEN ZWEI UMKEHRPUNKTEN OSZILLIERENDEN KÖRPER

Title (fr)

MACHINE DE COMPACTAGE AVEC DE CORP OSCILLANT ENTRE DEUX POINTS DE REBROUSSEMENT À MOUVEMENT ALTERNATIF

Publication

**EP 2986851 A1 20160224 (DE)**

Application

**EP 14714595 A 20140327**

Priority

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Abstract (en)

[origin: WO2014169987A1] The present invention relates to a compressing machine (110), in which an oscillating body (111) oscillates between two reversal points (U1, U2), wherein a fluid (112) is alternately decompressed and compressed, at least partially, by the oscillating motion (111a) of the oscillating body (111), wherein the oscillating body (111) applies a piston force (FM) to the fluid (112), wherein the fluid (112) applies a fluid force (FF) to the oscillating body (111) and wherein a resulting compression force (F\*) is defined as the difference between the fluid force (FF) and the piston force (FM). The oscillating body (111) has a first mass (m1), wherein a maximum value of the resulting compression force (F\*) when using the oscillating body (111) having the first mass (m1) is less by a specified factor F than a maximum value of the resulting compression force (F\*) when using an oscillating reference body (121) having a reference mass (mRef) in a reference compressing machine (120) of the same design and when using the same fluid (112), wherein the first mass (m1) is greater than the reference mass (mRef) by a percentage dependent on the specified factor and wherein the maximum value of the resulting compression force (F\*) when using

IPC 8 full level

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Citation (search report)

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