

Title (en)

SELF-PROPELLED SOIL MILLING MACHINE AND METHOD OF WORKING A ROAD SURFACE

Title (de)

SELBSTFAHRENDE BODENFRÄSMASCHINE UND VERFAHREN ZUM BEARBEITEN EINER VERKEHRSFLÄCHE

Title (fr)

FRAISEUSE AUTOTRACTÉE ET PROCÉDÉ DE TRAITEMENT DES SURFACES ROUTIÈRES

Publication

EP 3168367 B1 20180321 (DE)

Application

EP 16195180 A 20161021

Priority

DE 102015014573 A 20151112

Abstract (en)

[origin: US2017138004A1] The invention relates to a self-propelled ground milling machine, in particular a road milling machine or road recycler, having a machine frame supported by running gears and a working roller arranged on the machine frame in a roller housing, a hold-down device which is height-adjustable with respect to the traffic surface being arranged upstream of the working roller in the working direction. The invention further relates to a method for working on a traffic surface using a self-propelled ground milling machine. The ground milling machine comprises a detection unit which is formed in such a way that a physical variable characteristic of an undesirable state of the operating process is determined, in which state fragments are broken off from the traffic surface during work on the traffic surface using the working roller, apply a compressive force to the hold-down device and can press the hold-down device into a raised position with respect to the traffic surface. In the ground milling machine according to the invention, the device for height-adjusting the hold-down device is formed in such a way that a contact pressure, directed counter to the compressive force applied by the fragments, is applied to the hold-down device when the detection unit detects the undesirable state of the operating process. By applying a sufficient contact pressure, the hold-down device can be effectively prevented from rising from the traffic surface, in such a way that during the milling process it is at least made more difficult for fragments to break off undesirably from the traffic surface.

IPC 8 full level

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CPC (source: CN EP US)

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Cited by

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