

Title (en)

Road milling machine with control means for producing parallelism of the machine frame with the ground

Title (de)

Strassenfräsmaschine mit Steuerung zur Herstellung der Parallelität des Maschinenrahmens zum Boden

Title (fr)

Machine à fraiser la chaussée avec commande pour la réalisation du parallélisme du cadre de la machine par rapport au sol

Publication

**EP 2650443 B1 20210630 (DE)**

Application

**EP 13154680 A 20071221**

Priority

- DE 202006019509 U 20061222
- EP 07858125 A 20071221
- EP 2007064520 W 20071221

Abstract (en)

[origin: WO2008077963A1] Disclosed are a road milling machine and a method for positioning the machine frame parallel to the ground surface (8). An automotive road milling machine (1), particularly a cold-milling machine, comprises a chassis that supports the machine frame (4) via lifting columns (12, 13), a milling roller (6) mounted on the machine frame (4) for machining a ground surface (8) or road surface (8), vertically adjustable lateral shields (10) as edge guards which rest on the ground surface (8) or road surface (8) that is to be machined, a vertically adjustable doctoring device (14) which is disposed behind the milling roller (6) in the direction of travel and can be lowered into the milled track (17) created by the milling roller (6), and a controller (23) for regulating the milling depth of the milling roller (6). The controller (23) determines the milling depth of the milling roller (6) from measured values of at least one measuring instrument (16). In said automotive road milling machine (1), the controller (23) automatically regulates the lifted state of at least one rear and/or front lifting column (12, 13), "rear" and "front" being in relation to the direction of travel, in order to position the machine frame (4) parallel to the ground surface (8), road surface (8) or a predefined milling plane.

IPC 8 full level

**E01C 23/088** (2006.01)

CPC (source: EP US)

**E01C 23/088** (2013.01 - EP US)

Cited by

EP3808898A1; DE102019127745A1; US11111640B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2008077963 A1 20080703**; AU 2007338000 A1 20080703; AU 2007338000 B2 20110106; BR PI0713752 B1 20180313; CN 101466899 A 20090624; CN 101466899 B 20110406; EP 2104768 A1 20090930; EP 2104768 B1 20130213; EP 2650443 A2 20131016; EP 2650443 A3 20160803; EP 2650443 B1 20210630; JP 2009545689 A 20091224; JP 5156963 B2 20130306; RU 2008148825 A 20100620; RU 2401904 C2 20101020; US 2009108663 A1 20090430; US 8424972 B2 20130423

DOCDB simple family (application)

**EP 2007064520 W 20071221**; AU 2007338000 A 20071221; BR PI0713752 A 20071221; CN 200780021726 A 20071221; EP 07858125 A 20071221; EP 13154680 A 20071221; JP 2009523306 A 20071221; RU 2008148825 A 20071221; US 22634207 A 20071221