

Title (en)

Self-propelled milling machine, use of a lifting column of a milling machine, and method for increasing the efficiency of a milling machine

Title (de)

Selbstfahrende Fräsmaschine, Verwendung einer Hubsäule einer Fräsmaschine, sowie Verfahren zum Erhöhen der Arbeitseffektivität einer Fräsmaschine

Title (fr)

Fraiseuse automotrice, utilisation d'une colonne élévatrice d'une fraiseuse et procédé d'augmentation de l'efficacité de travail d'une fraiseuse

Publication

EP 2644775 A3 20150624 (DE)

Application

EP 13159176 A 20130314

Priority

DE 102012205005 A 20120328

Abstract (en)

[origin: EP2644775A2] The milling machine (1) has a front chassis (2) which is provided in the direction of travel (18) of rear drive carriage axes (4,6) with a total of three drives (8). A machine frame (3) is carried by the front chassis. The lifting columns (10) are transversely offset to each other between the drives and the machine frame in the travel direction of carriage axes. The lifting columns are adjusted with raised position of work roll (12) at a distance from the road or ground surface (5). The lifting columns in the set position of work roll are coupled with a spring element (14). An independent claim is included for method for increasing work effectiveness of milling machine.

IPC 8 full level

E01C 23/088 (2006.01)

CPC (source: EP US)

E01C 23/088 (2013.01 - EP US); **E01C 23/127** (2013.01 - US)

Citation (search report)

- [AD] WO 9805822 A1 19980212 - WIRTGEN GMBH [DE], et al
- [A] US 2011268503 A1 20111103 - HALL DAVID R [US], et al
- [A] US 3888542 A 19750610 - GOWLER JOHN EDWARD
- [A] DE 19830506 A1 20000120 - HYDAC TECHNOLOGY GMBH [DE]

Cited by

CN103558852A; EP3587668A1; US10968576B2; US11346065B2; EP3767033A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2644775 A2 20131002; EP 2644775 A3 20150624; EP 2644775 B1 20161026; CN 103362059 A 20131023; CN 103362059 B 20160803; CN 203487443 U 20140319; DE 102012205005 A1 20131002; DE 102012205005 B4 20150402; US 2013257136 A1 20131003; US 9085857 B2 20150721

DOCDB simple family (application)

EP 13159176 A 20130314; CN 201310104865 A 20130328; CN 201320148227 U 20130328; DE 102012205005 A 20120328; US 201313827409 A 20130314