

Title (en)

CIRCULAR GRINDING MACHINE WITH DRESSING UNIT

Title (de)

RUNDSCHLEIFMASCHINE MIT ABRICHTEINHEIT

Title (fr)

MACHINE À MEULER CIRCULAIRE DOTÉE D'UNE UNITÉ DE DRESSAGE

Publication

EP 4058237 A1 20220921 (DE)

Application

EP 21810538 A 20211105

Priority

- DE 102020130004 A 20201113
- EP 2021080709 W 20211105

Abstract (en)

[origin: WO2022101090A1] The present invention relates to a circular grinding machine for grinding a cylindrical workpiece. The circular grinding machine comprises a machine bed (03) which supports a pivoting table (07) on which a workpiece headstock (08) is arranged such that it can be fixedly mounted to drive the workpiece in rotation and on which a tailstock (11) is fixably arranged. A first rotation axis is defined by the workpiece headstock (08) and the tailstock (11). The pivoting table (07) is pivotable about a pivot axis relative to the machine bed (03). The circular grinding machine additionally comprises an abrasive disc (06) which is rotatable about a second rotation axis. The first rotation axis and the second rotation axis are arranged jointly in a vertical plane, with the second rotation axis being arranged above the first rotation axis. A longitudinal guide (17) arranged in this vertical plane is used to axially displace the abrasive disc (06). A dressing unit (16) is arranged next to the tailstock (11) on the machine bed (03) in the axial direction relative to the first rotation axis.

IPC 8 full level

B24B 5/04 (2006.01); **B24B 41/06** (2012.01)

CPC (source: EP)

B24B 5/04 (2013.01); **B24B 41/062** (2013.01)

Citation (search report)

See references of WO 2022101090A1

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)

WO 2022101090 A1 20220519; DE 102020130004 A1 20220519; EP 4058237 A1 20220921; EP 4058237 B1 20230510

DOCDB simple family (application)

EP 2021080709 W 20211105; DE 102020130004 A 20201113; EP 21810538 A 20211105