

Title (en)
AXLE ARRANGEMENT FOR A MACHINE TOOL

Title (de)
ACHSANORDNUNG FÜR EINE WERKZEUGMASCHINE

Title (fr)
ENSEMBLE D'AXES POUR UNE MACHINE-OUTIL

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Application
EP 19817260 A 20191206

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Abstract (en)
[origin: WO2020126545A1] The invention relates to an axle arrangement (10) for a machine tool. In an axle housing (11), a receiving spindle (12) is mounted so as to be rotatable about a longitudinal axis by means of a spindle bearing arrangement (13). The receiving spindle (12) serves to receive a clamping unit (23), which is able to be shifted between a clamping position and a release position by means of a cylinder device (25). To this end, the cylinder device (25) has a piston (28), which is movable in the axial direction (A) parallel to the longitudinal axis (L) and on which a piston rod (41) is mounted in a rotatable manner. In the cylinder housing (26), the receiving spindle (12) is supported on the cylinder housing (26) in the axial direction (A) by means of a first axial bearing (39). The piston rod (41) is supported on the piston (28) by means of a second axial bearing (42) in the axial direction (A). Preferably, the receiving spindle (12) is supported only in the axial direction (A) in the cylinder housing (26).

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