

Title (en)

TAILSTOCK DEVICE FOR SUPPORTING AND/OR CENTERING A WORKPIECE

Title (de)

REITSTOCKVORRICHTUNG ZUR ABSTÜTZUNG UND/ODER ZENTRIERUNG EINES WERKSTÜCKS

Title (fr)

SYSTÈME DE CONTRE-POUPÉE D'APPUI ET DE CENTRAGE D'UNE PIÈCE

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Application

EP 16756696 A 20160824

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Abstract (en)

[origin: WO2017042029A1] The invention relates to a tailstock device (10) for supporting a workpiece in a machine tool, for example a grinder. The tailstock device (10) has a tailstock arm (16), mounted to be pivotable about a pivot axis (S), on the outer end (16a) of which a centering point (12) is arranged which is aligned parallel to the pivot axis (S). The tailstock arm is pivotable between a working position (A) and a rest position (R) using a pivot drive (30) with a first pneumatic cylinder (31). The movement of the piston (32) of the first pneumatic cylinder (31) is transferred to the tailstock arm (16) via a first coupling device (35). If the tailstock arm (16) is in the working position (A), the first coupling device (35) assumes an automatic locking position in which a force feedback, triggered by a torque which forces the tailstock arm (16) out of the working position (A) into the rest position (R), does not react or reacts in only a minor way upon the piston (32) of the first pneumatic cylinder (31).

IPC 8 full level

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