

Title (en)
ELECTRIC MACHINE TOOL

Title (de)
ELEKTROWERKZEUGMASCHINE

Title (fr)
MACHINE-OUTIL ELECTRIQUE

Publication
EP 0930957 A1 19990728 (DE)

Application
EP 98933451 A 19980506

Priority
• DE 9801247 W 19980506
• DE 19726383 A 19970621

Abstract (en)
[origin: DE19726383A1] The invention relates to an electrical machine tool for rotational and/or percussive tools such as drilling machines or hammer drills, comprising a machine housing (10) with an electrically driven working spindle (11) to drive a tool fitting (12) and a mechanical percussive element (16) which has a beater (18) that is accelerated in its axial direction, directly or indirectly beating the shaft of the tool and a drive unit (20) which causes the beater (18) to accelerate on the basis of a rotational movement. Said drive unit (20) comprises an axially displaceable sensing element synchronously operating with the working spindle (11) in order to achieve higher working spindle (11) speeds without using a countershaft. Said sensing element (21) is guided between two ring-shaped curved paths (22, 23) arranged in a rotationally fixed manner in relation to the working spindle (11) with axial clearance.

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Citation (search report)
See references of WO 9858774A1

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