

Title (en)
MACHINE TOOL FOR MECHANICAL MACHINING

Title (de)
MASCHINENWERKZEUG FÜR MECHANISCHE BEARBEITUNG

Title (fr)
MACHINE-OUTIL POUR USINAGE MÉCANIQUE

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Application
EP 11781857 A 20111003

Priority
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Abstract (en)
[origin: WO2012046117A1] The machine tool (1) for mechanical machining comprises: a supporting frame (2); - a tool-holding head (3) associated with the supporting frame (2) and having a machining tool (3 a); a piece-holding head (4) having: a base element (5, 6) which is mounted on the supporting frame (2) by interposition of a first motorised rotation device (7, 8) around a first axis (B); and a gripping device (9, 10) for gripping a workpiece (P) to be machined which is mounted on the base element (5, 6) by interposition of a second motorised rotation device (11, 12) around a second axis (C) substantially transversal to the first axis (B), for the putting into rotation of the workpiece (P) during the machining, wherein the second motorised rotation device (11, 12) comprises an annular motor having a statoric tubular element (11) associated with the base element (5, 6) and a rotor tubular element (12) associated with the gripping device (9, 10), the tubular elements (11, 12) being arranged one inside the other coaxially to the second axis (C) and being motorised to rotate one with respect to the other, inside the annular motor (11, 12) being defined a compartment (13) for housing the gripping device (9, 10).

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Citation (search report)
See references of WO 2012046117A1

Citation (examination)
• US 4512223 A 19850423 - PUEHRINGER FRANZ [AT]
• EP 1595639 A1 20051116 - LIECHTI ENGINEERING AG [CH]

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