

Title (en)

MACHINE TOOL UNIT WITH A TOOL CLAMPING DEVICE

Title (de)

WERKZEUGMASCHINENEINHEIT MIT EINER WERKZEUG-SPANNVORRICHTUNG

Title (fr)

UNITÉ MACHINE-OUTIL COMPRENANT UN DISPOSITIF DE SERRAGE D'OUTIL

Publication

**EP 3322556 A1 20180523 (DE)**

Application

**EP 16739112 A 20160714**

Priority

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Abstract (en)

[origin: WO2017009414A1] A motor-driven machine tool unit is disclosed, such as a multi-axis rotational head or a motor spindle, having a stator unit and a rotor unit rotatable at least about an axis of rotation, wherein the rotor unit comprises at least one tool-receiving unit with a tool clamping device, which is adjustable in the longitudinal direction of the axis of rotation and to which a clamping force can be applied, for fixing and clamping a detachably fixable tool, wherein higher requirements are satisfied, in particular with respect to the accuracy of the processing and/or safety during processing. This is achieved according to the present invention primarily in that at least two clamping force sensors (4) are provided for detecting the clamping of the tool clamping device (1), in particular the clamping force (F) produced during the fixing and clamping.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017009414A1

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