

Title (en)

SYSTEM FOR WORKPIECE MACHINING, MACHINE TOOL, SUPPORT DEVICE AND WORKPIECE SUPPORT

Title (de)

SYSTEM ZUR WERKSTÜCKBEARBEITUNG, WERKZEUGMASCHINE, TRÄGERVORRICHTUNG UND WERKSTÜCKTRÄGER

Title (fr)

SYSTÈME D'USINAGE DE PIÈCE À TRAVAILLER, MACHINE-OUTIL, DISPOSITIF DE SUPPORT ET SUPPORT DE PIÈCE À TRAVAILLER

Publication

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Application

EP 22706574 A 20220215

Priority

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Abstract (en)

[origin: WO2022214230A1] The invention relates to a system for workpiece machining, comprising a machine tool having a support device (100) which comprises a receiving device (120) for workpiece supports (200), which receiving device is designed to be driven rotatably about a rotational axis R with respect to a base (400) of the machine tool during workpiece machining. The system also comprises a workpiece support (200) which can be secured to the receiving device (120) and which has a clamping device (220) by means of which a workpiece (300) to be machined is secured to the workpiece support (200). The workpiece support (200) comprises a monitoring device which is designed to monitor a clamping state of the clamping device (220). The support device (100) and a workpiece support (200) secured to the receiving device (120) are electrically coupled to one another via a contactless information transmission interface (141, 241) in such a way that the monitoring device of the secured workpiece support (200) can transmit information about the clamping state, in particular during the workpiece machining, monitored by the monitoring device to the support device (100) via the information transmission interface (141, 241). The support device (100) and the workpiece support (200) secured to the receiving device (120) are designed to be coupled to one another via an energy transmission interface (130, 230) in order to transmit hydraulic and/or pneumatic energy between the support device (100) and the workpiece support (200).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2022214230A1

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