

Title (en)

SPINDLE HEAD FOR A MACHINE TOOL AND METHOD FOR MOUNTING SUCH A SPINDLE HEAD

Title (de)

SPINDELKOPF FÜR EINE WERKZEUGMASCHINE UND VERFAHREN ZUM MONTIEREN EINES SOLCHEN SPINDELKOPFES

Title (fr)

TÊTE DE BROCHE POUR UNE MACHINE-OUTIL ET PROCÉDÉ DE MONTAGE D'UNE TELLE TÊTE DE BROCHE

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Application

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Abstract (en)

[origin: WO2020048808A1] The invention relates to a spindle head (1) for a machine tool, said spindle head comprising: a fork (2) having two fork arms (3, 3'); and a spindle unit (4) having a spindle housing (5), a motor spindle (6) located in the spindle housing (5), and two preferably hollow shaft stubs (7, 7') located on the spindle housing (5), wherein the spindle unit (4) is rotatably mounted on the fork arms (3, 3') about an axis of rotation (A). According to the invention, the shaft stubs (7, 7') are each aligned coaxially with respect to the axis of rotation (A) by means of a centring disc (8, 8') which is fixed to the spindle housing (5) and has a centring surface (9). The invention also relates to a method for mounting such a spindle head (1), said method having the following steps: a) fixing the first centring disc (8) to the spindle housing (5); b) aligning the second centring disc (8') coaxially with respect to the first centring disc (8) and/or with respect to the axis of rotation (A); c) fixing the second centring disc (8') to the spindle housing (5); d) joining the shaft stubs (7, 7') to the spindle housing (5) together with the centring discs (8, 8').

IPC 8 full level

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