

Title (en)

TOOL, MACHINE TOOL, AND METHOD FOR MACHINING PLANAR WORKPIECES

Title (de)

WERKZEUG UND WERKZEUGMASCHINE SOWIE VERFAHREN ZUM BEARBEITEN VON PLATTENFÖRMIGEN WERKSTÜCKEN

Title (fr)

OUTIL ET MACHINE-OUTIL AINSI QUE PROCÉDÉ D'USINAGE DE PIÈCES EN FORME DE PLAQUE

Publication

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Application

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Abstract (en)

[origin: WO2018055186A1] The invention relates to a tool for machining planar workpieces (10), in particular metal sheets, having an upper tool (11), which has a clamping shaft (34) and a main body (33), which lie along a common position axis (35), and a machining tool (37), which is arranged opposite the clamping shaft (34) on the main body (33) and which has at least one machining edge (38, 39), having a lower tool (9), which has a main body (41) having a support surface (47) for the workpiece (10), and having a counter body (93), which is provided on the main body (41) and which has at least one counter edge (506, 507), the main body (41) comprising a position axis (48), which is oriented perpendicularly to the support surface (47), and the upper tool (11) and the lower tool (9) being movable toward each other in a reciprocation direction in order to machine a workpiece (10) arranged therebetween and a machining plane being formed between the upper tool (11) and the lower tool (9), the at least one machining edge (38, 39) of the machining tool (37) extending at least partly along a hold-down surface (501) provided on the main body (33), the counter tool body (93) being designed as a counter roller (505), which has the at least one counter edge (506, 507), which lies opposite the at least one machining edge (38, 39) of the machining tool (37), and a machining device (508) being provided adjacent to the at least one counter edge (505, 506), which machining device has at least one curved counter surface (521), which is oriented in the longitudinal direction of the machining edge (38, 39) of the machining tool (37).

IPC 8 full level

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