

Title (en)
TOOL, MACHINE TOOL, AND METHOD FOR CUTTING AND/OR FORMING PLANAR WORKPIECES

Title (de)
WERKZEUG UND WERKZEUGMASCHINE SOWIE VERFAHREN ZUM SCHNEIDEN UND/ODER UMFORMEN VON PLATTENFÖRMIGEN WERKSTÜCKEN

Title (fr)
OUTIL ET MACHINE-OUTIL, AINSI QUE PROCÉDÉ DE DÉCOUPE ET/OU DE FORMAGE DE PIÈCES EN FORME DE PLAQUE

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Abstract (en)
[origin: WO2018055182A1] The invention relates to a tool, a machine tool, and to a method for cutting and/or forming planar workpieces (10), in particular metal sheets, having an upper tool (11) and a lower tool (9), which can be moved toward each other in order to machine a workpiece (10) arranged therebetween, the upper tool (11) comprising at least one cutting tool (37) having at least one cutting edge (38) and comprising a clamping shaft (34), and the upper tool (11) having a position axis (35), the lower tool (9) comprising a main body (41), which has a support surface (47) for the workpiece (10) having an opening (46), which is associated with an inner counter cutting edge (51), in order to eject a workpiece part (81), which is formed after the cutting, downward through the opening (46), and the lower tool (9) having a position axis (48), having at least one outer counter cutting edge (52), which is provided outside of the opening (46) and is associated with the support surface (47), the outer counter cutting edge (52) being aligned with an outer face of the support surface (47) bounding the support surface (47), a distance of the outer counter cutting edge (52) from the position axis (48) of the main body (41) of the lower tool (9), and a distance of the inner counter cutting edge (51) from the position axis (48) of the main body (41) of the lower tool (9) deviating from each other.

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