

Title (en)

MULTISTAGE METAL-FORMING MACHINE TOOL HAVING TOOL COMBINATION BLOCKS

Title (de)

MEHRSTUFIGE UMFORMMASCHINE MIT WERKZEUGKOMBIBLÖCKEN

Title (fr)

MACHINE-OUTIL A PLUSIEURS ETAGES TRAVAILLANT LE METAL PAR FORMAGE, MUNIE DE BLOCS COMBINES D'OUTILS

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Application

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Abstract (en)

[origin: WO9954071A1] The invention relates to a multistage metal-forming machine tool in which an apron (6) is screwed onto a pressing saddle (2). The apron (6) comprises six long-drawn tightening cams (62) which are arranged on the upper end of the apron and which are distributed over the width thereof. Four tightening tabs which project upward are placed on the lower end of the apron. A tool combination block (4) having a wedge-shaped supporting plate (42) is hung in the apron (6). Four tightening tabs (41) are configured on the upper end of the supporting plate (42) and are distributed over the width thereof, and four tightening cams are configured on the lower end. The tightening tabs (41) of the tool combination block (4) are hung over the tightening cams (62) of the apron (6), and the tightening cams (62) of the tool combination block (4) are inserted between the tightening tabs and the main part of the apron (6). A tightening force which is generated by two tightening devices (8) acts in a vertical direction toward the tool combination block (4). Said tightening force effects a tensioning of the tool combination block (4) and of the pressing saddle (2) in a horizontal direction.

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