

Title (en)

QUICK CLAMPING DEVICE FOR A PORTABLE MACHINE TOOL, IN PARTICULAR AN ANGLE GRINDER, COMPRISING AT LEAST ONE OUTPUT SHAFT THAT CAN BE ROTATABLY DRIVEN

Title (de)

SCHNELLSPANNVORRICHTUNG FÜR EINE ZUMINDEST EINE ROTIEREND ANTREIBBARE ABTRIEBSWELLE AUFWEISENDE TRAGBARE WERKZEUGMASCHINE, INSBESONDERE WINKELSCHLEIFMASCHINE

Title (fr)

DISPOSITIF DE FIXATION RAPIDE POUR MACHINE-OUTIL PORTATIVE, EN PARTICULIER UNE MEULEUSE D'ANGLE DOTÉE D'AU MOINS ARBRE DE SORTIE SUSCEPTIBLE D'ÊTRE ENTRAÎNÉ EN ROTATION

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Application

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Abstract (en)

[origin: WO2018072997A1] The invention relates to a quick clamping device for a portable machine tool, in particular an angle grinder, comprising at least one output shaft (12a; 12b) that can be rotatably driven and that has at least one clamping unit (16a; 16b) which, for the purpose of fixing an insert bit (18a) to the output shaft (12a; 12b) without using tools, comprises at least one movably mounted clamping element (20a, 22a; 20b, 22b) for applying a clamping force to the insert bit (18a) in a clamping position of the clamping element (20a, 22a; 20b, 22b), and further has at least one operating unit (24a; 24b) for moving the clamping element (20a, 22a; 20b, 22b) into the clamping position and/or into a release position of the clamping element (20a, 22a; 20b, 22b), in which release position the insert bit (18a) can be removed from the clamping unit (16a; 16b) and/or the output shaft (12a; 12b). According to the invention, the quick clamping device comprises at least one securing unit (26a; 26b), in particular a self-locking unit and/or a detent unit, which is designed to prevent a movement of the clamping element (20a, 22a; 20b, 22b) from the clamping position into the release position of the clamping element (20a, 22a, 20b, 22b) at least under the action of a force decoupled from the control unit (24a; 24b) and acting on the clamping element (20a, 22a; 20b, 22b) in the direction of the release position of the clamping element (20a, 22a; 20b, 22b).

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