

Title (en)

HAND-OPERATED MACHINE-TOOL COMPRISING A VIBRATION-DAMPING ROTARY HANDLE

Title (de)

HANDWERKZEUGMASCHINE MIT SCHWINGUNGSGEDAEMPFTEN, ROTIERBAREM GRIFF

Title (fr)

MACHINE-OUTIL MANUELLE COMPRENANT UNE POIGNEE ROTATIVE A AMORTISSEMENT DE VIBRATIONS

Publication

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Application

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Abstract (en)

[origin: WO2004039541A1] The invention concerns a hand-operated machine-tool, in particular a hand-operated angle grinder (10), comprising a motor casing (11) designed to receive an electromotive drive for a tool, and a handle (15) maintained on the motor casing (11) by means of a handle-retaining system (30) mounted therebetween. Said handle-retaining system includes a support (40) which is fixed to the motor casing (11) and at least one vibration-damping element (50) which connected to the support (40) and to the handle (15). The handle-retaining system (30) also includes a reception plate (60) whereon the handle (15) is fixed by means of a fixing device. Said vibration-damping element (50) is arranged between the support (40) and the reception plate (60) and is fixedly connected to both so as to form a single-unit component. Fixing elements (70) urged into engagement on the support (40) enable the support (40) to be fixed on the motor casing (11). Said fixing elements include safety elements (71) which remain free relative to the reception plate (60) and retain the reception plate (60) with the handle (15) maintained thereon in case the vibration-damping element (50) breaks.

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