

Title (en)
SANDING MACHINE PROVIDED WITH A CONTROL SYSTEM FOR WORKING A WORKPIECE AND OPERATION METHOD THEREOF

Title (de)
SCHLEIFMASCHINE MIT REGELSYSTEM UND ENTSCHEIDENDES SCHLEIFVERFAHREN

Title (fr)
MACHINE À MEULER AVEC SYSTÈME DE CONTRÔLE ET PROCÉDÉ DE MEULAGE CORRESPONDANT

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Abstract (en)
The present invention relates to a sanding machine (M) for working a workpiece (P) made in wood, plastic, glass, fiberglass, metal, ceramic and the like comprising an inlet station (1) for the entry of said workpiece (P) to be worked and an outlet station (2) for the exit of the worked workpiece (P); a conveyor group (3) for conveying said workpiece (P) to be worked, along a feed direction (A), from said inlet station (1) towards said outlet station (2); at least one working unit (4) of said workpiece (P) comprising a sanding tool (41) provided with an abrasive surface for working said workpiece (P); said sanding machine (M) being characterized in that it comprises a control system (5, 5', 5'') configured to detect the temperature values of the surface of said workpiece (P) and/or of the abrasive surface of said sanding tool (41). The present invention also relates to a control system to be installed on a sanding machine. The present invention also relates to an operating method of a sanding machine.

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• [X] WO 9853377 A1 19981126 - INTERHOLZ TECHNIK GMBH [DE], et al
• [X] DE 102017208498 A1 20181206 - HOMAG BOHRSYSTEME GMBH [DE]
• [X] DE 202017105160 U1 20180822 - STEINEMANN TECH AG [CH]
• [XAI] JP H06246633 A 19940906 - CAT SYST KK, et al

Cited by
EP3831531A1; CN114871908A; CN116372808A

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