

Title (en)
MULTI-TOOL AGGREGATE UNIT FOR POLISHING PLATES OF STONE MATERIAL OR SYNTHETIC MATERIAL, AND POLISHING MACHINE PROVIDED WITH THIS UNIT

Title (de)
MULTITOOL-AGGREGATEINHEIT ZUM POLIEREN VON PLATTEN AUS STEINMATERIAL ODER SYNTHETISCHEM MATERIAL UND EINE MIT DIESER EINHEIT AUSGESTATTETE POLIERMASCHINE

Title (fr)
UNITÉ D'AGRÉGAT MULTI-OUTILS POUR POLIR DES PLAQUES DE MATÉRIAU EN PIERRE OU DE MATÉRIAU SYNTHÉTIQUE ET MACHINE DE POLISSAGE FOURNIE AVEC CETTE UNITÉ

Publication
EP 3628442 B1 20201209 (EN)

Application
EP 19199610 A 20190925

Priority
IT 201800008986 A 20180927

Abstract (en)
[origin: EP3628442A1] A multi-tool aggregate unit (TU1) for a polishing head (H1) of an electronically-controlled polishing machine, for polishing edges of plate of stone material or synthetic material, such as for finishing operations in the mass production of kitchen tops or the like, comprises an aligned series of polishing tools (11) adapted to carry out progressively finer machining operations, the tools being arranged according to an order corresponding to the progression of the machining operation, with a tool (11) for the most coarse machining operation arranged at one end of the series and a tool (11) for the finest machining operation arranged at the opposite end. The supporting structure (9) of the multi-tool aggregate unit (TU1) rotatably supports a single driving rotating shaft (12) which is connected in rotation with all the tools (11) by means of a gear transmission (13,14). The driving rotating shaft (12) has an end conical shank (12A) configured to be removably connected in rotation within an end conical receptacle of a motorized spindle of a polishing head (H1) of the polishing machine, so that said spindle drives in rotation all the tools (11) of the multi-tool aggregate unit (TU1) while at the same time supporting the weight of said multi-tool unit. The supporting structure (9) of the multi-tool aggregate unit (TU1) is configured to engage the spindle supporting body to prevent a rotation of the supporting structure (9) of the multi-tool unit around the axis of the spindle.

IPC 8 full level
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