

Title (en)

METHOD FOR FIXING A MATERIAL BLOCK FOR MECHANICAL MACHINING

Title (de)

VERFAHREN ZUR FIXIERUNG EINES MATERIALBLOCKS ZUR MECHANISCHEN BEARBEITUNG

Title (fr)

PROCÉDÉ DE FIXATION D'UN BLOC DE MATÉRIAU POUR L'USINAGE MÉCANIQUE

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Application

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Abstract (en)

[origin: WO2022218843A1] The present invention relates to a method for fixing a material block (1) to a machining device for mechanically machining the material block (1), in particular to a wire saw for cutting the material block (1) into individual wafers. In the method, the material block (1) is adhesively bonded to an expendable workpiece carrier (2), and the workpiece carrier (2) is connected to the machining device. For this purpose, the expendable workpiece carrier (2) is provided on at least one surface with an already pre-applied layer (8) of an adhesive that can be activated only by an external influence. The material block (1) is then adhesively bonded to the workpiece carrier (2) by corresponding activation of the adhesive. The method dispenses with complex steps for mixing and applying a two-component adhesive before performing machining as well as with the industrial robots used until now for this purpose. The method therefore saves time and costs in the machining process, in particular in the production of wafers.

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