

Title (en)

METHOD AND APPARATUS FOR MECHANICAL GRINDING OF WORKPIECES BY ELECTRIC CONDUCTIVE WORKTOOLS

Publication

EP 0293673 B1 19920812 (DE)

Application

EP 88107984 A 19880519

Priority

DE 3717568 A 19870525

Abstract (en)

[origin: EP0293673A2] The method provides for an electric spark voltage to first of all be applied between grinding tool (18) and workpiece when the grinding tool (18) touches the workpiece (10) and for the touching position to be determined by the spark current. The spark voltage is then switched off for the grinding operation or set to such a value that essentially only mechanical removal of material takes place. The method can be carried out especially advantageously on an apparatus which is designed for spark erosion processes or erosion grinding, because the control circuit (32) available for this can be used not only for the control of the spark gap during the erosion machining but also for touching of the grinding tool.

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B24B 49/10

IPC 8 full level

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EP 0293673 A2 19881207; **EP 0293673 A3 19900110**; **EP 0293673 B1 19920812**; DE 3717568 A1 19881208; DE 3873621 D1 19920917; JP 2849387 B2 19990120; JP S6445572 A 19890220; US 4963710 A 19901016

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EP 88107984 A 19880519; DE 3717568 A 19870525; DE 3873621 T 19880519; JP 12605188 A 19880525; US 19880888 A 19880525