

Title (en)

GRINDING MACHINE WITH CONTROL CIRCUIT FOR POSITIONING THE TOOL CARRIAGE

Publication

EP 0168311 A3 19871209 (FR)

Application

EP 85401278 A 19850625

Priority

DE 3424258 A 19840630

Abstract (en)

[origin: US4648210A] Apparatus is disclosed for grinding the edges of a glass sheet which is positioned on a motor driven rotary table. The apparatus includes a grinding disc mounted to rotate in a toolholder which may be moved in relation to the axis of rotation of the rotary table by a constant torque motor so as to apply a constant grinding pressure between the grinding tool and the glass sheet. A plurality of manometer capsules or other pressure measuring devices whose voltage outputs depend on applied pressure, are used to produce signals to regulate the constant grinding force. The toolholder is movably mounted on a larger positioning carriage which can also be moved in relation to the axis of rotation of the rotating table in order to compensate for irregular glass sheet shapes. This positioning is effected by signals from a distance to voltage converter fed into an adjustment circuit which drives a positioning motor.

IPC 1-7

B24B 9/10

IPC 8 full level

B24B 9/10 (2006.01)

CPC (source: EP US)

B24B 9/107 (2013.01 - EP US)

Citation (search report)

- [A] EP 0084504 A2 19830727 - SAINT GOBAIN VITRAGE [FR], et al
- [AD] EP 0084506 A2 19830727 - SAINT GOBAIN VITRAGE [FR], et al
- [AP] FR 2545025 A1 19841102 - BAUDIN SA ETS [FR]
- [A] US 3828477 A 19740813 - SANFORD N, et al

Cited by

EP0673715A4; US5807166A; EP0233159A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0168311 A2 19860115; EP 0168311 A3 19871209; EP 0168311 B1 19900613; AT E53524 T1 19900615; DE 3424258 A1 19860123; DE 3424258 C2 19861211; DE 3578142 D1 19900719; JP S6130371 A 19860212; US 4648210 A 19870310

DOCDB simple family (application)

EP 85401278 A 19850625; AT 85401278 T 19850625; DE 3424258 A 19840630; DE 3578142 T 19850625; JP 14147785 A 19850627; US 74995985 A 19850627