

Title (en)

PRECISION GRINDING MACHINE, IN PARTICULAR PROJECTION FORM GRINDING MACHINE

Publication

EP 0074518 B2 19890405 (DE)

Application

EP 82107665 A 19820821

Priority

DE 3136240 A 19810912

Abstract (en)

[origin: EP0074518A2] 1. Precision grinding machine, more particularly a projection contour grinding machine, having a grinding wheel (7) which machines a workpiece, a dresser body (26), which is provided with at least one profiled groove, which groove extends tangentially with respect to the grinding wheel and is open in the direction towards the grinding wheel, the surface of the said groove being formed as a grinding surface, and the cross-section thereof complementing the required grinding wheel profile, and a numerical control for controlling the relative movement of the grinding wheel and the workpiece and for the automatic dressing of the grinding wheel by means of the dresser body, characterised in that for dressing the grinding wheel (7), the dresser body (26) can be advanced in the plane of the grinding wheel (7) towards the grinding wheel (7), the advance movement of the dresser body can be controlled by means of the numerical control (22), and the numerical control (22) alters the distance between the grinding wheel (7) and the workpiece (11) to be machined according to the respective position of the dresser body (26) relative to the grinding wheel (7).

IPC 1-7

B24B 17/04; **B24B 49/18**

IPC 8 full level

B24B 17/04 (2006.01); **B24B 49/18** (2006.01); **B24B 53/08** (2006.01)

CPC (source: EP)

B24B 17/04 (2013.01); **B24B 49/18** (2013.01)

Cited by

EP0121212A3; US4596066A; CN102218682A; GB2348837A; GB2348837B; EP0417050A3

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0074518 A2 19830323; **EP 0074518 A3 19830720**; **EP 0074518 B1 19860129**; **EP 0074518 B2 19890405**; DE 3136240 A1 19830331; DE 3268825 D1 19860313; JP S5882662 A 19830518

DOCDB simple family (application)

EP 82107665 A 19820821; DE 3136240 A 19810912; DE 3268825 T 19820821; JP 15602582 A 19820909