

Title (en)
CONTROL CIRCUIT FOR AN ADJUSTING AND DRESSING DEVICE OF A GRINDING WHEEL

Publication
EP 0045380 B1 19841024 (DE)

Application
EP 81105183 A 19810704

Priority
CH 583580 A 19800731

Abstract (en)
[origin: US4461125A] A control circuit contains, instead of the otherwise conventional feeler or scanner contact, a displacement pick-up or displacement path transmitter which delivers pulsating signals representative of the irregularities of the scanned grinding wheel. The effective value of such pulsating signals, measured over a scanning or feeling interval, is dependent upon the wear of the grinding wheel or constitutes a measure of the compensating adjustments or repositioning displacements of the grinding wheel. The evaluation of the output signals of the displacement path transmitter or pick-up delivers data concerning the properties of the surface of the grinding wheel, the time during which there is to be undertaken a compensation feed of the grinding wheel, the frequency of the compensating feed and the degree of the compensating or adjustment feeds of the grinding wheel, and specifically, for the positional readjustment and dressing of the grinding wheel both in axial and also in radial direction.

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B24B 49/18; G05D 3/14; G05D 5/00

IPC 8 full level
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Cited by
EP0131743A3; WO9800264A1

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EP 0045380 A2 19820210; **EP 0045380 A3 19820602**; **EP 0045380 B1 19841024**; DE 3039130 A1 19820211; DE 3039130 C2 19821209; DE 3166817 D1 19841129; JP S5754075 A 19820331; US 4461125 A 19840724

DOCDB simple family (application)
EP 81105183 A 19810704; DE 3039130 A 19801016; DE 3166817 T 19810704; JP 11721681 A 19810728; US 28497181 A 19810720