

Title (en)
BELT POLISHING MACHINE

Publication
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Application
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Priority
DE 3639329 A 19861118

Abstract (en)
[origin: US4839994A] A belt grinding machine is disclosed that includes a pressure bar which has a plurality of pressure shoes arranged next to one another transversely relative to the conveying direction of the workpiece to be machined, and in which each pressure shoe has assigned to it its own pressing-on device actuatable as a function of workpiece parameters, the pressing on force of the pressing-on device being controlled by means of a signal-processing unit taking into account the workpiece parameters and local and time data of the workpiece transport operation. A simple and comprehensive detection of workpiece parameters is carried out with the use of a light source which illuminates the surface of the workpiece linearly transversely relative to the conveying direction. The light source is arranged in front of or behind the light incidence point in the conveying direction, and a light sensor senses a surface region comprising a portion of the transverse direction and a portion in the conveying direction in order to detect workpiece parameter.

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Cited by
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