

Title (en)  
GRINDING MACHINE

Publication  
**EP 0176723 B1 19901031 (DE)**

Application  
**EP 85110295 A 19850817**

Priority  
DE 3436226 A 19841003

Abstract (en)  
[origin: US4606150A] A grinding machine for machining the inner surfaces of workpieces. The machine has a bench to which are secured a workpiece headstock and a carriage which supports a grinder unit. The carriage can be moved on the bench via guides which are disposed on opposite sides of the grinder unit. Respective adjusting devices are provided for respectively pivoting a given one of the guides about an axis that is disposed at right angles to the axis of the grinder. The guides are formed by a circular guide and a roller guide arrangement which extend parallel to one another. The guides can be pivoted independently of one another to conform to the respective position of the workpiece axis, so that it is possible to achieve a precise alignment of the grinder axis relative to the workpiece axis, and at the same time to feed the tool against the wall of the bore which is to be machined. A very high machining precision is obtained in this way. Furthermore, the grinding machine is structurally straight forward.

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**B24B 5/10**

IPC 8 full level  
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