

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.

IPC 1-7
B24B 5/10

IPC 8 full level
B24B 5/10 (2006.01)

CPC (source: EP US)
B24B 5/10 (2013.01 - EP US)

Designated contracting state (EPC)
CH FR GB IT LI

DOCDB simple family (publication)
EP 0176723 A2 19860409; EP 0176723 A3 19871216; EP 0176723 B1 19901031; DE 3436226 A1 19860403; DE 3436226 C2 19891005; US 4606150 A 19860819

DOCDB simple family (application)
EP 85110295 A 19850817; DE 3436226 A 19841003; US 78340685 A 19851003