

Title (en)  
Improvements relating to honing.

Title (de)  
Honmaschine.

Title (fr)  
Machine à honer.

Publication  
**EP 0081383 A2 19830615 (EN)**

Application  
**EP 82306525 A 19821207**

Priority  
GB 8137149 A 19811209

Abstract (en)  
A honing machine uses a honing tool of the type having two honing surfaces and a core for adjusting the lateral positions of the surface relative to the tool body. The machine has a piston feed mechanism for adjusting the honing diameter of the tool, a drive mechanism for rotationally driving the tool and a stroke mechanism for axially reciprocating the tool to effect a honing stroke. A control system monitors the position and velocity of the feed piston of the feed mechanism and reaction force applied to the feed piston by contact with a workpiece and in dependence thereon controls the operation of the mechanism in a preselected manner.

IPC 1-7  
**B24B 33/02**

IPC 8 full level  
**B24B 33/06** (2006.01); **B24B 33/02** (2006.01)

CPC (source: EP)  
**B24B 33/02** (2013.01)

Cited by  
EP0183031A3; DE3421193A1; US8277280B2; US7575502B2; US7371149B2

Designated contracting state (EPC)  
AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0081383 A2 19830615; EP 0081383 A3 19841227; GB 2111876 A 19830713; JP S58160055 A 19830922**

DOCDB simple family (application)  
**EP 82306525 A 19821207; GB 8234695 A 19821206; JP 21625582 A 19821209**