

Title (en)  
Spinning machine with assisting support

Title (de)  
Drückmaschine mit Hilffsupport

Title (fr)  
Machine de fluotournage avec support d' assistance

Publication  
**EP 1316372 A3 20050209 (DE)**

Application  
**EP 02018936 A 20020824**

Priority  
DE 10141783 A 20010825

Abstract (en)  
[origin: DE10141783A1] Spinning lathe (100) comprises an upper support (40), a lower support (50) and an additional auxiliary support (30) aligned on the upper support. A pressure roller holder (20) and pressure roller (22) are mounted on the auxiliary support. The auxiliary support is connected to the upper support by a piston-cylinder arrangement (32) with a path sensor (34) for measurement of their relative position and delivery of a corresponding signal to a control unit. Thus over-determination of the system is prevented. The control unit for the X-coordinate continuously receives the current position of the print roll, even when this is pushed slightly within the auxiliary support. Thus the auxiliary support can be used to regulate the deformation force on the print roll at every position on the workpiece (1). The invention also relates to a corresponding method for smoothing or polishing the surface of a workpiece with a spinning lathe.

IPC 1-7  
**B21D 22/14**

IPC 8 full level  
**B21D 22/16** (2006.01)

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Citation (search report)

- [A] US 4565081 A 19860121 - MASSEE JOHAN [NL]
- [A] US 4747284 A 19880531 - HUDSON ROBERT [US]
- [A] EP 0754507 A1 19970122 - MASSEE JOHAN [NL]
- [A] US 4976126 A 19901211 - YAMAMOTO TAKASHI [JP], et al
- [A] US 5355705 A 19941018 - SCHULZE ECKEHART [DE], et al
- [A] EP 0774308 A1 19970521 - MASSEE JOHAN [NL]
- [A] DE 4223510 A1 19940120 - BOHNER & KOEHLE [DE]

Cited by  
CN103108709A; CN110214059A

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