

Title (en)

Method and apparatus for CNC controlled dressing of the regulating wheel of a centerless grinding machine

Title (de)

Verfahren und Vorrichtung zum CNC-gesteuerten Abrichten einer Regelscheibe einer spitzenlosen Schleifmaschine

Title (fr)

Procédé et dispositif pour dressage par commande numérique de la roue de régulation d'une rectifieuse "sans centre"

Publication

**EP 1080843 A3 20030910 (DE)**

Application

**EP 00117798 A 20000818**

Priority

DE 19940686 A 19990827

Abstract (en)

[origin: EP1080843A2] CNC controlled trimming of the regulating pulley (32) of a milling machine for centreless milling of a workpiece (38) in which the trimming tool for the regulating pulley is numerically controlled, in order to provide a desired circumferential profile to the regulating pulley. The procedure is achieved by entry of control parameters to the milling machine and measurement of workpiece parameters. The two sets of parameters are then transformed into a pre-set circumferential profile for the regulating pulley. The data are then converted to CNC control data and relative processing of regulating pulley and trimming tool using the CNC control data produces the desired circumferential profile on the pulley. Independent claims are made for a centreless milling procedure and a milling machine using the procedure.

IPC 1-7

**B24B 53/08**; **B24B 5/30**

IPC 8 full level

**B24B 5/30** (2006.01); **B24B 49/18** (2006.01); **B24B 53/00** (2006.01); **B24B 53/047** (2006.01); **B24B 53/08** (2006.01)

CPC (source: EP)

**B24B 5/30** (2013.01); **B24B 49/18** (2013.01); **B24B 53/00** (2013.01)

Citation (search report)

- [X] US 4570387 A 19860218 - UNNO KUNIHICO [JP], et al
- [A] EP 0449767 A1 19911002 - AGATHON AG MASCHF [CH]
- [A] DE 3843046 A1 19890720 - FORTUNA WERKE MASCHF AG [DE]

Cited by

CN102873601A; FR2847841A1; CN113510616A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19940686 A1 20010301**; EP 1080843 A2 20010307; EP 1080843 A3 20030910; JP 2001079762 A 20010327

DOCDB simple family (application)

**DE 19940686 A 19990827**; EP 00117798 A 20000818; JP 2000256120 A 20000825