

Title (en)

Apparatus for grinding a surface of revolution using a polishing belt, in particular for superfinishing a cylindrical surface internally

Title (de)

Vorrichtung zum Schleifen von einer Rotationsfläche mit einem Polierband, insbesondere zum Innen-Feinstbearbeiten von einer zylindrischen Oberfläche

Title (fr)

Dispositif pour l'usinage par bande abrasive d'une surface de révolution, notamment pour la super finition d'une surface cylindrique intérieure

Publication

EP 1264662 B1 20070314 (FR)

Application

EP 02291351 A 20020604

Priority

FR 0107402 A 20010606

Abstract (en)

[origin: EP1264662A1] The superfinishing machine has an abrasive belt mounted on a support bar (4). A rounded engagement pad (7) is mounted on the bar vertically to follow the shape of the surface to be finished. Two guide rods (10) are positioned on each side of the pad to deflect the belt over the pad surface, so that the belt path has two sections parallel to the axis of the contact pad.

IPC 8 full level

B24B 35/00 (2006.01); **B24B 5/06** (2006.01); **B24B 21/02** (2006.01)

CPC (source: EP)

B24B 5/06 (2013.01); **B24B 21/02** (2013.01); **B24B 35/00** (2013.01)

Cited by

CN115338745A; CN103659528A; CN117067047A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1264662 A1 20021211; **EP 1264662 B1 20070314**; AT E356692 T1 20070415; DE 60218779 D1 20070426; DE 60218779 T2 20071206; FR 2825651 A1 20021213; FR 2825651 B1 20031017

DOCDB simple family (application)

EP 02291351 A 20020604; AT 02291351 T 20020604; DE 60218779 T 20020604; FR 0107402 A 20010606