

Title (en)

A honing tool and super-high precision finishing method using said honing tool

Title (de)

Honwerkzeug und hochpräzise Feinstbearbeitungsverfahren unter Verwendung dieses Honwerkzeuges

Title (fr)

Outil de rodage et procédé de finition à haute précision utilisant ce rodoir

Publication

EP 0839606 A3 20000927 (EN)

Application

EP 98200011 A 19900804

Priority

- EP 98200011 A 19900804
- EP 90911698 A 19900804

Abstract (en)

[origin: EP0839606A2] The invention relates to a honing tool for carrying out honing working of a work with high accuracy and super precision finishing method using the honing tool. The honing tool is mainly constituted by a pilot section (5), a rough grinding section (7), a finish grinding section (10) and a correction section (13). The honing tool is sent at rapid speed while being reciprocated little, and the machining working and correction finishing of the straightness are carried out thereby the honing working is carried out. According to the invention, the machining working efficiency and the working accuracy can be improved, and the honing finishing with high straightness becomes possible. <IMAGE>

IPC 1-7

B24B 33/02; **B24B 33/08**

IPC 8 full level

B24B 33/08 (2006.01)

CPC (source: EP)

B24B 33/083 (2013.01)

Citation (search report)

- [Y] DE 4439381 A1 19960509 - NAGEL MASCH WERKZEUG [DE]
- [A] US 4223485 A 19800923 - LARGETEAU PIERRE A
- [Y] PATENT ABSTRACTS OF JAPAN vol. 004, no. 041 (M - 005) 29 March 1980 (1980-03-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 157 (M - 590) 21 May 1987 (1987-05-21)

Cited by

CN116833684A; CN106623902A; US6721370B1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0839606 A2 19980506; **EP 0839606 A3 20000927**

DOCDB simple family (application)

EP 98200011 A 19900804