

Title (en)  
Method of honing of bores and honing tool therefor

Title (de)  
Verfahren zum Honen von Bohrungen sowie Honwerkzeug hierfür

Title (fr)  
Procédé de rodage d'alésages, et outil de rodage

Publication  
**EP 1790435 A1 20070530 (DE)**

Application  
**EP 05025813 A 20051125**

Priority  
EP 05025813 A 20051125

Abstract (en)  
The method involves a rigid guidance of the axial movement of the honing tool for the generation of an axial movement of the honing tool (150) parallel to the boring axis (111, 113) of the boring (115). A temporal asymmetrical control of the delivery force of a cutting assembly (160) is attached to the honing tool on one side of the tool axis depending upon the stroke position or the angular position of the honing tool.

IPC 8 full level  
**B24B 33/02** (2006.01); **B24B 33/08** (2006.01)

CPC (source: EP)  
**B24B 33/02** (2013.01); **B24B 33/022** (2013.01); **B24B 33/088** (2013.01); **B24B 33/105** (2013.01); **B24B 49/02** (2013.01)

Citation (applicant)  
• DE 2810322 C2 19821125  
• JP H11267960 A 19991005 - NISSAN MOTOR  
• EP 1321229 A1 20030625 - GEHRING GMBH & CO MASCHF [DE]  
• VON R. ZURRIN: "Variables Formhonen durch rechnergestützte Honprozesssteuerung", VERÖFFENTLICHT IN: WBK - FORSCHUNGSBERICHTE AUS DEM INSTITUT FÜR WERKZEUGMASCHINEN UND BETRIEBSTECHNIK DER UNIVERSITÄT KARLSRUHE, vol. 26, 1990

Citation (search report)  
[XA] EP 1321229 A1 20030625 - GEHRING GMBH & CO MASCHF [DE]

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Designated contracting state (EPC)  
DE

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1790435 A1 20070530; EP 1790435 B1 20090916**; DE 502005008150 D1 20091029; EP 2110204 A1 20091021; EP 2110204 B1 20120425; EP 2277661 A1 20110126; EP 2277661 B1 20121226; EP 2277662 A1 20110126; EP 2277662 B1 20130925; EP 2279829 A1 20110202; EP 2279829 B1 20120606

DOCDB simple family (application)  
**EP 05025813 A 20051125**; DE 502005008150 T 20051125; EP 09009260 A 20051125; EP 10010544 A 20051125; EP 10010545 A 20051125; EP 10010546 A 20051125