

Title (en)
ORBITAL AND/OR RECIPROCAL MACHINING WITH A VISCOUS PLASTIC MEDIUM

Publication
EP 0441865 A4 19920513 (EN)

Application
EP 89912762 A 19891024

Priority
US 26595488 A 19881102

Abstract (en)
[origin: WO9005044A1] A method of honing, polishing, reducing, or otherwise abrading, workpiece surfaces utilizing a visco-elastic abrasive medium (18) in situ between the workpiece (10) and a displacer member (14). Said displacer member (14) having surfaces in a facing spaced relationship to the surfaces of said workpiece (10) to be abraded to thereby form a media chamber between the surfaces of said workpiece (10) to be machined and said displacer member (14). The visco-elastic abrasive medium (18) is deposited within said media chamber. Thereafter, one or more forms of relative motion between the workpiece (10) and displacer member (14) forces flow of the medium (18) across the workpiece surface to be abraded thereby effecting the abrasion as desired.

IPC 1-7
B24B 1/00

IPC 8 full level
B24B 1/00 (2006.01); **B24B 31/00** (2006.01); **B24B 31/116** (2006.01); **B24B 35/00** (2006.01)

CPC (source: EP)
B24B 1/00 (2013.01); **B24B 31/116** (2013.01); **B24B 35/005** (2013.01)

Citation (search report)
• [X] EP 0106507 A2 19840425 - EXTRUDE HONE LTD [IE]
• JP S6433696 A 19890203 - NOHMI BOSAI KOGYO CO LTD
• See references of WO 9005044A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9005044 A1 19900517; AU 4528889 A 19900528; CA 2001970 A1 19900502; CA 2001970 C 20001114; EP 0441865 A1 19910821; EP 0441865 A4 19920513; JP 2852346 B2 19990203; JP H04503189 A 19920611

DOCDB simple family (application)
US 8904767 W 19891024; AU 4528889 A 19891024; CA 2001970 A 19891101; EP 89912762 A 19891024; JP 50062989 A 19891024