

Title (en)
PRECISION GRINDING MACHINE FOR LAPPING, PRECISION GRINDING OR POLISHING

Publication
EP 0411346 A3 19910410 (DE)

Application
EP 90113033 A 19900707

Priority
• DE 3925274 A 19890731
• DE 8915458 U 19890731

Abstract (en)
[origin: EP0411346A2] The invention relates to a finishing machine for lapping, precision grinding or polishing, having two annular working wheels which can be driven separately and are on a vertical axis, a drivable inner pin rim and a preferably stationary outer pin rim being provided in the area of the bottom wheel, in which pin rims work holders or dressing rings engage by means of toothing and thus move in a planetary manner around the central axis of the machine. Here, the constant control of the engagement pressure of the mating members during the machining and dressing is effected by virtue of the fact that the top working wheel, preferably mounted to oscillate, can be acted upon by an axial force which in particular can be produced pneumatically or hydraulically and which, upon indirect or direct contact with the bottom working wheel, can be deduced at the bottom frame of the machine via force transducers. <IMAGE>

IPC 1-7
B24B 37/04

IPC 8 full level
B24B 37/04 (2012.01); **B24B 57/00** (2006.01)

CPC (source: EP US)
B24B 37/04 (2013.01 - EP US); **B24B 57/02** (2013.01 - EP US)

Citation (search report)
• [A] FR 2564360 A1 19851122 - CRISMATEC [FR]
• [AD] DE 2442081 A1 19760318 - JMJ WERKZEUGMASCH GMBH
• [A] CH 244291 A 19460915 - RYTER AG [CH]
• [A] DE 2440978 A1 19760318 - JMJ WERKZEUGMASCHINEN GMBH
• [A] PATENT ABSTRACTS OF JAPAN vol. 4, no. 96 (M-20)(578) 11 Juli 1980, & JP-A-55 54173 (NIPPON SHINKU GIJUTSU K.K.) 21 April 1980,

Cited by
CN114888651A

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0411346 A2 19910206; EP 0411346 A3 19910410; US 5197230 A 19930330

DOCDB simple family (application)
EP 90113033 A 19900707; US 55372790 A 19900716