

Title (en)
High speed honing machine

Title (de)
Hochgeschwindigkeits-Honmaschine

Title (fr)
Machine à empierrer haute vitesse

Publication
EP 2374574 A1 20111012 (DE)

Application
EP 10002745 A 20100316

Priority
EP 10002745 A 20100316

Abstract (en)
The machine (10) has a rotatably driven tool spindle (13) for retaining a honing tool, and a work piece carrier (15) driven by a linear motor in an oscillating manner. The carrier is arranged in a carriage (14) that is connected with a rotor of the linear motor, and the spindle is movably arranged relative to the carrier. A control device aligns the oscillating movement of the carrier and speed of the spindle to each other, and a robot device (17) loads and unloads the carrier, a measuring station (18) and/or a burring station.

Abstract (de)
Eine Hochgeschwindigkeits-Honmaschine mit einer rotierend antreibbaren Werkzeugspindel (13) zur Aufnahme des Honwerkzeugs und mit einem Werkstückträger (15), wobei der Werkstückträger (15) mittels eines Linearmotors oszillierend antreibbar ist.

IPC 8 full level
B24B 33/02 (2006.01); **B24B 1/04** (2006.01); **B24B 33/06** (2006.01); **B24B 41/00** (2006.01)

CPC (source: EP)
B24B 1/04 (2013.01); **B24B 33/02** (2013.01); **B24B 33/06** (2013.01); **B24B 41/005** (2013.01)

Citation (search report)
• [X] DE 102007045045 A1 20090319 - EX CELL O GMBH [DE]
• [A] DE 102007045619 A1 20090319 - GEHRING GMBH & CO KG [DE]
• [A] WO 2008009411 A1 20080124 - NAGEL MASCH WERKZEUG [DE], et al
• [A] DE 3919895 A1 19901220 - KADIA DIAMANT [DE]

Cited by
CN113601385A; JP7257597B1; DE102011056099B3; CN111805309A; DE112022002716T5; WO2023243118A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2374574 A1 20111012; EP 2374574 B1 20131120; EP 2374574 B2 20170426

DOCDB simple family (application)
EP 10002745 A 20100316