

Title (en)

Vacuum clamping device for workpieces for a stationary tool machine

Title (de)

Vakuumspanneinrichtung für Werkstücke für stationär bearbeitende Maschinen

Title (fr)

Dispositif de serrage à vide de pièces pour une machine-outil stationnaire

Publication

EP 1258319 A3 20041013 (DE)

Application

EP 02008474 A 20020415

Priority

DE 10124315 A 20010517

Abstract (en)

[origin: DE10124315C1] The vacuum clamping system for workpieces (2), at static machine tools, has an injector jet (7) built into each suction clamp (1) as an individual underpressure generator. It is operated by compressed air, with a compressed air connection (8) for a compressed air line to a compressed air supply. A vacuum switch is at each vacuum clamp, connected to the suction chamber (3), to generate an electrical signal if the underpressure is over or below a given vacuum threshold level.

IPC 1-7

B25B 11/00

IPC 8 full level

B25B 11/00 (2006.01)

CPC (source: EP)

B25B 11/005 (2013.01)

Citation (search report)

- [A] US 4236701 A 19801202 - MAYER HERBERT
- [A] DE 4404413 C1 19950119 - KLESSMANN IMA NORTE MASCHFAB [DE]
- [A] DE 4028446 C1 19911205
- [A] US 3729206 A 19730424 - CACHON R, et al

Cited by

DE102014222641A1; DE102014215001B4; CN105583665A; DE102014215001A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

DE 10124315 C1 20020711; DE 50206778 D1 20060622; EP 1258319 A2 20021120; EP 1258319 A3 20041013; EP 1258319 B1 20060517; ES 2260347 T3 20061101

DOCDB simple family (application)

DE 10124315 A 20010517; DE 50206778 T 20020415; EP 02008474 A 20020415; ES 02008474 T 20020415