

Title (en)

Forging machine

Title (de)

Schmiedemaschine

Title (fr)

Machine à forger

Publication

**EP 1008403 A3 20010905 (DE)**

Application

**EP 99890379 A 19991207**

Priority

AT 205198 A 19981207

Abstract (en)

[origin: EP1008403A2] The forging rams (3) of the machine have separate wobble plate stroke drives consisting of a wobble plate (5) which is rotatable about a wobble axis (T) displaced parallel to the respective ram axis (S) in the forging box (1), and an associated thrust disk (9) with a spherical thrust element fitting into a spherical seating on the ram end face. The forging rams are preferably preloaded by compressive springs (13) pressing them against the respective wobble and thrust plates to produce a joint held together by force.

IPC 1-7

**B21J 7/14**; **B21J 7/16**; **B21J 9/18**; **B30B 1/26**

IPC 8 full level

**B21J 7/14** (2006.01); **B21J 9/02** (2006.01); **B21J 9/18** (2006.01)

CPC (source: EP US)

**B21J 7/14** (2013.01 - EP US); **B21J 9/025** (2013.01 - EP US); **B21J 9/18** (2013.01 - EP US)

Citation (search report)

- [A] US 4430881 A 19840214 - KRALOWETZ BRUNO [AT]
- [A] GB 1338955 A 19731128 - TS B K PRAS I MLOTOW
- [A] US 5315926 A 19940531 - KANAMARU HISANOBU [JP], et al

Cited by

WO0224374A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1008403 A2 20000614**; **EP 1008403 A3 20010905**; **EP 1008403 B1 20030319**; AT 406647 B 20000725; AT A205198 A 19991215; DE 59904611 D1 20030424; US 6240759 B1 20010605

DOCDB simple family (application)

**EP 99890379 A 19991207**; AT 205198 A 19981207; DE 59904611 T 19991207; US 45600599 A 19991207