

Title (en)

INSERTION TOOL FOR A MACHINE TOOL

Title (de)

EINSATZWERKZEUG FÜR EINE WERKZEUGMASCHINE

Title (fr)

OUTIL D'INSERTION POUR MACHINE-OUTIL

Publication

EP 1697085 A1 20060906 (DE)

Application

EP 04820604 A 20041108

Priority

- EP 2004052875 W 20041108
- DE 10360246 A 20031220

Abstract (en)

[origin: WO2005061179A1] The invention relates to an insertion tool (12) for a machine tool comprising a hub (16) provided with at least one aperture (42, 80) for holding at least one fixing means (40, 84) which clamps the hub (16) on the driving flange (22) of the machine tool connected to a drive shaft. Said aperture (42, 80) has a holding area (54) and a releasing area (56) which comprises a dog (66, 88) limiting the releasing motion of fixing means (40, 84). Said invention is characterised in that the aperture (42, 80) is provided with a convex area (76, 90) adjacent to the dog (66, 88).

IPC 8 full level

B24B 45/00 (2006.01); **B24B 23/02** (2006.01); **B24D 5/16** (2006.01); **B24D 7/16** (2006.01)

CPC (source: EP US)

B24B 23/02 (2013.01 - EP US); **B24B 45/006** (2013.01 - EP US); **B24D 5/16** (2013.01 - EP US); **B24D 7/16** (2013.01 - EP US)

Citation (search report)

See references of WO 2005061179A1

Cited by

EP3463754A4; US11346401B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2005061179 A1 20050707; CN 100592961 C 20100303; CN 1933941 A 20070321; DE 10360246 A1 20050728; DE 502004006279 D1 20080403; EP 1697085 A1 20060906; EP 1697085 B1 20080220; US 2006172668 A1 20060803; US 8608530 B2 20131217

DOCDB simple family (application)

EP 2004052875 W 20041108; CN 200480038214 A 20041108; DE 10360246 A 20031220; DE 502004006279 T 20041108; EP 04820604 A 20041108; US 56466904 A 20041108