

Title (en)

TOOL RECEIVING DEVICE FOR A MACHINE TOOL, COMPRISING AN AT LEAST ESSENTIALLY DISK-SHAPED HUB

Title (de)

WERKZEUGAUFNAHMEVORRICHTUNG FÜR EIN EINSATZWERKZEUG MIT EINER ZUMINDEST IM WESENTLICHEN SCHEIBENFÖRMIGEN NABE

Title (fr)

DISPOSITIF DE RACCORDEMENT D'OUTIL DESTINE A UN OUTIL INSERT ET POURVU D'UN NABE AU MOINS SENSIBLEMENT EN FORME DE DISQUE

Publication

EP 1684944 A1 20060802 (DE)

Application

EP 04786843 A 20040924

Priority

- DE 2004002127 W 20040924
- DE 10352291 A 20031108

Abstract (en)

[origin: WO2005049275A1] The invention relates to a tool receiving device for a machine tool (14), comprising an at least essentially disk-shaped hub (42), particularly for a hand-guided angle grinder (32) or a hand-held circular saw. Said tool receiving device also comprises a drive shaft (16) and a receiving device (12) comprising at least one catching element (20) which can be displaceably mounted against a spring element (18) in order to fix the machine tool in a positive fit in the direction of the periphery (50, 52). According to the invention, the drive shaft (16) comprises at least one shaped positive fit non chip-removing element (100) which is connected in a positive fit in the direction of the periphery (50, 52) to means for the transmission of drive torque in the receiving device (12).

IPC 8 full level

B21K 1/12 (2006.01); **B23D 61/00** (2006.01); **B24B 23/02** (2006.01); **B24B 45/00** (2006.01); **B27B 5/32** (2006.01)

CPC (source: EP US)

B21K 1/12 (2013.01 - EP US); **B24B 23/022** (2013.01 - EP US); **B24B 23/028** (2013.01 - EP US); **B24B 45/006** (2013.01 - EP US); **B27B 5/32** (2013.01 - EP US)

Citation (search report)

See references of WO 2005049275A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 10352291 A1 20050602; CN 1878635 A 20061213; DE 502004006112 D1 20080320; EP 1684944 A1 20060802; EP 1684944 B1 20080130; US 2007082590 A1 20070412; US 7497766 B2 20090303; WO 2005049275 A1 20050602

DOCDB simple family (application)

DE 10352291 A 20031108; CN 200480032814 A 20040924; DE 2004002127 W 20040924; DE 502004006112 T 20040924; EP 04786843 A 20040924; US 57820104 A 20040924