

Title (en)

TOOL HOLDER FOR A TOOL, ESPECIALLY A BORING, MILLING OR GRINDING TOOL, WHICH CAN BE ROTATED ABOUT A ROTATIONAL AXIS

Title (de)

WERKZEUGHALTER FÜR EIN UM EINE DREHACHSE DREHBARES WERKZEUG, INSBESONDERE EIN BOHR-, FRÄS- ODER SCHLEIFWERKZEUG

Title (fr)

PORTE-OUTILS DESTINE A UN OUTIL POUVANT ETRE MIS EN ROTATION AUTOUR D'UN AXE DE ROTATION, EN PARTICULIER UN OUTIL DE FORAGE, DE FRAISAGE OU DE RECTIFICATION

Publication

EP 1301303 A1 20030416 (DE)

Application

EP 00949352 A 20000714

Priority

EP 0006761 W 20000714

Abstract (en)

[origin: WO0205993A1] The invention relates to a tool holder for receiving a tool, especially a boring, milling, or grinding tool, which can be rotated about a rotational axis and which comprises a clamping shank. In a preferred form of embodiment, said clamping shank comprises a receiving opening (9) which is centrally arranged in an end socket (7) in relation to the rotational axis, said end socket being closed in an annular manner and said receiving opening being used for the interference fit of a holding shank pertaining to the tool. The end socket (7) contains a plurality of pressure chambers which are distributed in the circumferential direction and which extend at least approximately in the direction of the rotational axis. Said pressure chambers (13) can be connected to a pressure means supply which is especially hydraulic, in order to radially expand the receiving opening (9).

IPC 1-7

B23B 31/02

IPC 8 full level

B23B 31/02 (2006.01); **B23B 31/30** (2006.01)

CPC (source: EP US)

B23B 31/1179 (2013.01 - EP US); **B23B 31/305** (2013.01 - EP US); **Y10T 279/1216** (2015.01 - EP US); **Y10T 279/1241** (2015.01 - EP US)

Citation (search report)

See references of WO 0205993A1

Citation (examination)

WO 0058045 A1 20001005 - SANDVIK AB [SE], et al

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)

WO 0205993 A1 20020124; EP 1301303 A1 20030416; US 6938903 B1 20050906

DOCDB simple family (application)

EP 0006761 W 20000714; EP 00949352 A 20000714; US 33297403 A 20030606