

Title (en)
CIRCULAR-SHANK TOOL COMPRISING A TOOL HOLDER

Title (de)
RUNDSCHAFTMEISSEL MIT MEISSELHALTER

Title (fr)
BURIN A TIGE CIRCULAIRE COMPORTANT UN PORTE-BURIN

Publication
EP 1943409 B1 20140611 (DE)

Application
EP 06762196 A 20060627

Priority
• EP 2006006157 W 20060627
• DE 102005051450 A 20051027

Abstract (en)
[origin: WO2007048455A1] The invention relates to a circular-shank tool (30) comprising a shank (31) that is held in the bore (41) of a tool holder (40) by means of a locking sleeve (10), said shank (31) being rotatably held in the locking sleeve (10). The locking sleeve (10) is provided with one or more retaining elements (16, 17, 18) that project inwards and engage in a peripheral groove (39) that is provided in the shank (31) of the tool (30), thus indisplaceably securing the locking sleeve (10) in an axial direction on the shank (31) of the tool. Since the locking sleeve (20) is mirror-symmetrical to the central transversal plane (38), it can be fixed to the shank (31) in a position that has been rotated through 180°.

IPC 8 full level
E21C 35/197 (2006.01)

CPC (source: EP KR US)
E21C 35/197 (2013.01 - EP KR US); **Y10T 408/895** (2015.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005051450 A1 20070503; DE 102005051450 B4 20100805; AU 2006308264 A1 20070503; AU 2006308264 B2 20101111;
CN 101300404 A 20081105; CN 101300404 B 20110928; EP 1943409 A1 20080716; EP 1943409 B1 20140611; JP 2009513849 A 20090402;
JP 4824761 B2 20111130; KR 101004703 B1 20110104; KR 20080069581 A 20080728; RU 2375572 C1 20091210; TW 200726902 A 20070716;
TW I343446 B 20110611; US 2009162159 A1 20090625; US 7922256 B2 20110412; WO 2007048455 A1 20070503

DOCDB simple family (application)
DE 102005051450 A 20051027; AU 2006308264 A 20060627; CN 200680040475 A 20060627; EP 06762196 A 20060627;
EP 2006006157 W 20060627; JP 2008536949 A 20060627; KR 20087009622 A 20060627; RU 2008116612 A 20060627;
TW 95134778 A 20060920; US 8351006 A 20060627