

Title (en)
FIXING DEVICE FOR A SHANK CHISEL

Title (de)
HALTERUNG FÜR EINEN SCHAFTMEISSEL

Title (fr)
DISPOSITIF DE FIXATION D'UN TREPAN A QUEUE

Publication
EP 1509680 B1 20061018 (DE)

Application
EP 03709726 A 20030227

Priority
• DE 10221764 A 20020515
• EP 0302015 W 20030227

Abstract (en)
[origin: WO03098001A1] The invention relates to a fixing device for a shank chisel, comprising a base part (20) and an upper part (30), the upper part being detachably connected to the base part. According to the invention, the upper part (30) has an opening (30.4) for receiving a shank chisel and the base part (20) has a shaft opening (22), into which a shaft (30.11) of the upper part is inserted, said shaft having a tensioning surface (30) that rests against the counter surface (40.1) of a clamping element (40). The latter comprises a tensioning screw (50), which is used to clamp the tensioning surface against the counter surface. The base part (20) has a shoulder surface (24), which is located in the vicinity of the shank opening (30.4) and at least partially surrounds the latter, a stop surface (25) adjoining the rear region of the shoulder surface (24) in the infeed direction at an angle. The upper part (30) rests on the stop surface (25) by means of a supporting surface (30.8) and is held at a distance, at least in sections, from the base part (20).

IPC 8 full level
E21C 35/193 (2006.01)

CPC (source: EP US)
E21C 35/193 (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 03098001 A1 20031127; AT E343045 T1 20061115; AU 2003214077 A1 20031202; CN 1333152 C 20070822; CN 1653245 A 20050810; DE 10221764 C1 20031127; DE 50305426 D1 20061130; EP 1509680 A1 20050302; EP 1509680 B1 20061018; US 2005150666 A1 20050714; US 7086704 B2 20060808

DOCDB simple family (application)
EP 0302015 W 20030227; AT 03709726 T 20030227; AU 2003214077 A 20030227; CN 03810799 A 20030227; DE 10221764 A 20020515; DE 50305426 T 20030227; EP 03709726 A 20030227; US 51439204 A 20041115