

Title (en)  
PROFILED INSERTED-BLADE CUTTER

Title (de)  
PROFILMESSERKOPF

Title (fr)  
FRAISE A LAMES RAPPORTEES PROFILEES

Publication  
**EP 0825911 B1 19981021 (DE)**

Application  
**EP 96914984 A 19960425**

Priority  
• DE 29508112 U 19950517  
• EP 9601720 W 19960425

Abstract (en)  
[origin: US5957176A] PCT No. PCT/EP96/01720 Sec. 371 Date Oct. 24, 1997 Sec. 102(e) Date Oct. 24, 1997 PCT Filed Apr. 25, 1996 PCT Pub. No. WO96/36452 PCT Pub. Date Nov. 21, 1996 In a profiled inserted-blade cutter, with blades (13) which can be re-sharpened without altering the profile and trajectory, each blade (13) is secured to a blade holder (14) having a base with a T-shape cross section, one arm (16) of the transverse section of which engages in a first longitudinal groove (4) in the basic unit (2). The other arm (17) engages in a second longitudinal groove (5) also in the basic unit (2) and open towards the first groove (4). The flanks of the first and second longitudinal grooves (4, 5) at a greater distance from the central longitudinal axis of the basic unit (2) lie in planes which are mutually parallel and parallel to the longitudinal axis of the basic unit and each form a positioning surface (6, 7) for one or other arm (16, 17) of the transverse section. On the blade holder (14) there is a clamping surface (15) which encloses a radially outwardly opening angle with the frontal surface (13') of the blade (13) and an acute angle with the adjacent positioning surface (7). The clamping force of each clamping screw (21) is directed against the clamping surface (15) and presses the blade holder (14) with a first component against the frontal stop surface (9) and with a second component against the two positioning surfaces (6, 7).

IPC 1-7  
**B23C 5/06; B23C 5/22**

IPC 8 full level  
**B23C 5/08** (2006.01); **B23C 5/06** (2006.01); **B23C 5/22** (2006.01); **B23D 61/06** (2006.01); **B27G 13/04** (2006.01)

CPC (source: EP US)  
**B27G 13/04** (2013.01 - EP US); **Y10T 407/1932** (2015.01 - EP US); **Y10T 407/1934** (2015.01 - EP US)

Designated contracting state (EPC)  
AT BE DE ES FR GB IT

DOCDB simple family (publication)  
**US 5957176 A 19990928**; AT E172397 T1 19981115; BR 9608419 A 19981229; CN 1059141 C 20001206; CN 1184443 A 19980610; DE 29508112 U1 19950810; DE 59600718 D1 19981126; EP 0825911 A1 19980304; EP 0825911 B1 19981021; ES 2124096 T3 19990116; JP 3307949 B2 20020729; JP H11505180 A 19990518; MY 116518 A 20040228; RU 2125924 C1 19990210; WO 9636452 A1 19961121

DOCDB simple family (application)  
**US 94534797 A 19971024**; AT 96914984 T 19960425; BR 9608419 A 19960425; CN 96193926 A 19960425; DE 29508112 U 19950517; DE 59600718 T 19960425; EP 9601720 W 19960425; EP 96914984 A 19960425; ES 96914984 T 19960425; JP 53449396 A 19960425; MY PI9601673 A 19960503; RU 97118776 A 19960425