

Title (en)  
Quick clamping frame for a punching tool

Title (de)  
Rahmen mit Schnellspanneinrichtung für Stanzwerkzeuge

Title (fr)  
Châssis à serrage rapide pour un outil de découpe

Publication  
**EP 0764501 B1 20001206 (FR)**

Application  
**EP 96114940 A 19960918**

Priority  
CH 267195 A 19950921

Abstract (en)  
[origin: EP0764501A1] The frame has an upper cross-member (10), two side bars and a stop, and incorporates a quick-lock for the cutting tool (3) comprising a thrust bar (50) close to one of the bars or cross-pieces parallel to it, and able to push the tool against the bar or cross-piece. It incorporates springs (80) between the inner face of a bar or cross-piece and the outer surface of the thrust bar to exert a pressure against it, and a retractor. The springs are situated symmetrically on either side of the retractor located in the middle of the bar, and each is fitted into a blind hole (77) in the bar or cross-piece and exerts a pressure against a recess in the rear surface of the thrust bar (50). The retraction mechanism comprises a lug (55) which is fixed to the outer face of the thrust bar (50) and able to slide in a corresponding slot in the crosspiece.

IPC 1-7  
**B25B 5/06**; **B26D 7/26**

IPC 8 full level  
**B26F 1/44** (2006.01); **B25B 5/06** (2006.01); **B25B 5/08** (2006.01); **B26D 7/26** (2006.01)

CPC (source: EP KR)  
**B25B 5/06** (2013.01 - EP); **B25B 5/08** (2013.01 - EP); **B26D 7/00** (2013.01 - KR); **B26D 7/2614** (2013.01 - EP); **B26D 2007/2607** (2013.01 - EP)

Citation (examination)  
CH 652059 A5 19851031 - BOBST SA

Cited by  
EP1153716A3; CN104690682A; US6807889B2

Designated contracting state (EPC)  
AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0764501 A1 19970326**; **EP 0764501 B1 20001206**; AT E197926 T1 20001215; AU 6566596 A 19970508; AU 684432 B2 19971211; BR 9603807 A 19980602; CA 2185642 A1 19970322; CA 2185642 C 20010227; CH 690988 A5 20010330; CN 1065469 C 20010509; CN 1150080 A 19970521; DE 69611135 D1 20010111; DE 69611135 T2 20010607; DK 0764501 T3 20010409; ES 2153527 T3 20010301; JP 2786427 B2 19980813; JP H09131699 A 19970520; KR 100222456 B1 19991001; KR 970014958 A 19970428

DOCDB simple family (application)  
**EP 96114940 A 19960918**; AT 96114940 T 19960918; AU 6566596 A 19960917; BR 9603807 A 19960919; CA 2185642 A 19960916; CH 267195 A 19950921; CN 96119911 A 19960923; DE 69611135 T 19960918; DK 96114940 T 19960918; ES 96114940 T 19960918; JP 25000996 A 19960920; KR 19960041334 A 19960920