

Title (en)  
PAPER PUNCH.

Title (de)  
BRIEFLOCHER.

Title (fr)  
PERFORATEUR.

Publication  
**EP 0487542 B1 19940126 (DE)**

Application  
**EP 90910660 A 19900706**

Priority  
DE 3926838 A 19890814

Abstract (en)  
[origin: EP0413379A1] A paper punch comprises a base part (10) and a pressure lever (18) which is pivotally mounted on lateral pillow blocks on the base part (10) and which acts, against the restoring force of a spring (28), on a hole punch slidably guided on the base part (10). The pressure lever (18) has two downwardly curved bearing lobes (28) which overlap the outside of the pillow blocks (14), and an apron (30) on the front face of the pressure lever (18) which curves downward in the region between the pillow blocks. Under the action of the restoring force of the spring (20), the apron (30) strikes against impact edges on the pillow blocks (14). To prevent parts of the hand being jammed, the impact edges are arranged on thin-walled extenders (40) of the pillow blocks (14) parallel to the bearing lobes (28), while the lateral edges of the apron (30) have a bend (34) in the vicinity of their lower edges, which together with the adjacent bearing lobe (28), delimits a narrow gap (38) the edges of which open toward the base part and in which the extender (40) engages.

IPC 1-7  
**B26F 1/36**

IPC 8 full level  
**B26F 1/32** (2006.01); **B26F 1/36** (2006.01)

CPC (source: EP KR)  
**B26F 1/36** (2013.01 - EP KR)

Cited by  
DE10134025A1; DE10134025B4; DE19734744A1; DE19734744B4; DE102008003576A1

Designated contracting state (EPC)  
AT CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)  
**EP 0413379 A1 19910220**; CN 1049470 A 19910227; DE 59004449 D1 19940310; EP 0487542 A1 19920603; EP 0487542 B1 19940126; ES 2049479 T3 19940416; FI 920089 A0 19920109; IE 902919 A1 19910227; IS 1575 B 19950608; IS 3591 A7 19910215; JP H05504099 A 19930701; JP H0755479 B2 19950614; KR 920700860 A 19920810; PT 94981 A 19910418; TR 25118 A 19921101; WO 9102633 A1 19910307

DOCDB simple family (application)  
**EP 90202017 A 19900706**; CN 90106793 A 19900814; DE 59004449 T 19900706; EP 9001087 W 19900706; EP 90910660 A 19900706; ES 90910660 T 19900706; FI 920089 A 19920109; IE 291990 A 19900813; IS 3591 A 19900613; JP 50996890 A 19900706; KR 910701487 A 19911030; PT 9498190 A 19900813; TR 73790 A 19900809