

Title (en)
Stapling device

Title (de)
Heftvorrichtung

Title (fr)
Dispositif d'agrafage

Publication
EP 1764199 A3 20080813 (DE)

Application
EP 06118496 A 20060807

Priority
DE 102005044707 A 20050919

Abstract (en)
[origin: EP1764199A2] The device comprises a punch (80) driving the staple into the stack of paper and a device (60) for pressing the wire sections into the appropriate shape. The shaping device (60) is laterally moved when the punch (80) moves downward. A wire clamping lever (63) is swivel mounted to the shaping device (60) and provided with a cam (65) guided along a specifically curved surface (72,73,74,75) in order to facilitate an upward motion of the punch (80) parallel to the downward motion of the shaping device (60) avoiding a collision of the components.

IPC 8 full level
B27F 7/23 (2006.01); **B42B 4/00** (2006.01)

CPC (source: EP US)
B27F 7/23 (2013.01 - EP US)

Citation (search report)

- [X] DE 1561092 A1 19700108 - PLAUENER DRUCKMASCHINENWERK PL
- [DA] DE 19712876 A1 19981001 - EASTMAN KODAK CO [US]
- [A] CH 549443 A 19740531 - GRAPHIA HOLDING AG
- [A] EP 0023985 A1 19810218 - ROLAND MAN DRUCKMASCH [DE]

Cited by
CN104175739A; CN104175741A

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1764199 A2 20070321; EP 1764199 A3 20080813; EP 1764199 B1 20100217; AT E457858 T1 20100315; CN 100513170 C 20090715; CN 1935527 A 20070328; DE 102005044707 A1 20070322; DE 502006006155 D1 20100401; JP 2007083719 A 20070405; US 2007075110 A1 20070405; US 7337937 B2 20080304

DOCDB simple family (application)
EP 06118496 A 20060807; AT 06118496 T 20060807; CN 200610154003 A 20060918; DE 102005044707 A 20050919; DE 502006006155 T 20060807; JP 2006248861 A 20060914; US 52334206 A 20060919