

Title (en)
A power stapler.

Title (de)
Motorheftvorrichtung.

Title (fr)
Agrafeuse entraînée par moteur.

Publication
EP 0597782 A1 19940518 (EN)

Application
EP 93420447 A 19931110

Priority
US 97627592 A 19921113

Abstract (en)
A power stapler having an improved clincher provides a stitcher head (24) for driving formed staples (16) into a stack of sheets (12). A clincher box (70) is positioned opposite the stitcher head (24). Clinchers (46) located in the clincher box (70) pivot upwardly under the force of a moving clincher bar (74) to deform ends (62) of the staple (16) to pass through the sheet stack (12). The clincher bar (74) or clinchers (46) include a stop (72,76) that limits retraction of the clinchers (46) into the box (70). Hence, as the staple (16) is driven by the stitcher head (24) through the sheets (12), the ends (62) of the staple (16) are brought into engagement with the clinchers (46) and plastically deform into a substantially inwardly curled shape. Following driving of the staple (16) by the stitcher head (24), the clincher bar (74) is actuated to rotate the clinchers (46) upwardly toward the stack (12) causing the curled tips (68) of the staple (16) to drive into the sheets (12). The clinchers (46) can include grooves (52a) that are angled into alignment along parallel angled lines so that the ends (91) of the staple (89) pass each other and do not interfere with each other upon clinching.
<IMAGE>

IPC 1-7
B27F 7/19

IPC 8 full level
B27F 7/19 (2006.01); **B27F 7/23** (2006.01)

CPC (source: EP)
B27F 7/19 (2013.01)

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