

Title (en)
Strapping machine

Title (de)
Umreifungsvorrichtung

Title (fr)
Dispositif de cerclage

Publication
EP 1541471 A1 20050615 (EN)

Application
EP 05002855 A 20020703

Priority
• EP 02254669 A 20020703
• US 30491301 P 20010712
• US 96619101 A 20010928

Abstract (en)
A strapping machine for positioning a strapping material (S) around an associated load (L) and sealing the strapping material (S) to itself around the load (L) includes a frame (12), a chute (16) mounted to the frame (12), a feed assembly (18) mounted to the frame (12), a guide (114) mounted to the frame (12) adjacent the feed assembly (18) and a strapping head (10) mounted to the frame (12) independent of the feed assembly (18) and the guide (114). The feed assembly (18) is configured to feed the strapping material (S) therethrough. The guide (114) receives the strapping material (S) from the feed assembly (18) and provides a path for the strapping material toward the strapping head (10). The strapping head (10) includes a body (140) and provides a first conveyance path (134, Fig. 5) for the strapping material (S) from the guide (114) to the chute (16). The head (10) includes a second conveyance path (136, Fig. 5) to receive a free end of the strapping material (S) to seal the strapping material to itself. The strapping head (10) has an anvil (132) pivotally mounted to the body (140) that forms a part of the second conveyance path. The anvil (132) pivots between a first conveying position in which the anvil (132) is pivoted away from the body (140) to enlarge the second conveyance path (136) and a second sealing position in which the anvil (132) is pivoted toward the body (140) to narrow the second conveyance path (136). <IMAGE>

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Citation (search report)
• [X] US 3841213 A 19741015 - GOODLEY G
• [X] US 4155799 A 19790522 - KASUGA YOSHIAKI [JP], et al
• [A] EP 0779213 A1 19970618 - ILLINOIS TOOL WORKS [US]
• [A] US 5442899 A 19950822 - SHIBAZAKI TOKIO [JP], et al

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