

Title (en)
A stapling machine.

Title (de)
Heftmaschine.

Title (fr)
Machine d'agrafage.

Publication
EP 0543617 A1 19930526 (EN)

Application
EP 92310478 A 19921117

Priority
• GB 9124498 A 19911119
• GB 9124499 A 19911119
• GB 9125596 A 19911202

Abstract (en)
A stapling machine incorporates a spring to apply force to a staple pusher (20,47), which pushes staples in a staple magazine (44) towards a staple ejection slot (5,46). The spring comprises a spring strip (21,49) having one end thereof wound into a spiral coil (22,50), the spiral coil (22,50) being received within a cavity (3,52) which retains the coil (22,50) in a predetermined position, a portion of the spring extending from the spiral coil (22,50) to the staple pusher (20,47). The spring (21,49) applies a constant force to the staple pusher (20,47), facilitating ejection of the last few staples. The design facilitates easy assembly of the stapling machine. <IMAGE>

IPC 1-7
B25C 5/02; **B25C 5/16**

IPC 8 full level
B25C 5/02 (2006.01); **B25C 5/16** (2006.01)

CPC (source: EP)
B25C 5/0292 (2013.01); **B25C 5/161** (2013.01); **B25C 5/1689** (2013.01)

Citation (search report)
• [X] DE 811464 C 19510820 - DZIEWIOR KURT DIPL-ING DR
• [X] US 1970101 A 19340814 - MAYNARD ARTHUR H
• [Y] US 2501564 A 19500321 - GOODSTEIN CHARLES B
• [Y] DE 9106427 U1 19910829
• [XP] WO 9208579 A1 19920529 - OFREX GROUP HOLDINGS PLC [GB]

Cited by
GB2326367A; GB2326367B; WO2014112924A1; US11267117B2; WO2014115089A1; US10005644B2; WO2023022265A1

Designated contracting state (EPC)
BE CH DE DK FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0543617 A1 19930526; **EP 0543617 B1 19950920**; DE 69204967 D1 19951026; DE 69204967 T2 19960208

DOCDB simple family (application)
EP 92310478 A 19921117; DE 69204967 T 19921117