

Title (en)
Rotary linear stapling machine

Title (de)
Rotative Mehrklammerheftmaschine

Title (fr)
Agrafeuse linéaire rotative

Publication
EP 2246164 A3 20140709 (EN)

Application
EP 10160761 A 20100422

Priority
SE 0900548 A 20090423

Abstract (en)
[origin: EP2246164A2] A linear stapling machine (10) provided with a stapling fork (21) rotating around a first axis (13) and a die (15) counter-rotating around a second axis (13') that are arranged so that the branches (26) of a wire staple (25) that is carried by the stapling fork (21) can be forced through a product part (16) running through the rotary stapler (10) and be formed against the die (15), as well as that a first guide means (37) is arranged to turn the stapling fork by 90° during its motion to as well as during its motion from a staple pick-up zone (31) in relation to a stapling zone (32) so that the orientation of the stapling fork is parallel to the first axis (13) in the staple pick-up zone (31), but that the stapling fork is perpendicular to the first axis (13) in the stapling zone (32), so that the wire staple upon stapling through the product part (16) is parallel to the direction of motion of the product part, wherein at least one second stapling fork (21') rotating around the first axis (13) and training the first stapling fork (21) is arranged to roll off against a corresponding second die (15') counter-rotating around the second axis (13').

IPC 8 full level
B27F 7/23 (2006.01); **B42B 4/02** (2006.01); **B41F 13/66** (2006.01)

CPC (source: EP SE)
B27F 7/23 (2013.01 - SE); **B42B 4/02** (2013.01 - EP SE)

Citation (search report)

- [IY] GB 2027630 A 19800227 - KOENIG & BAUER AG
- [IDA] EP 0981450 A1 20000301 - FERAG AG [CH]
- [Y] US 2207413 A 19400709 - GEORGE QUICK CEEIL, et al
- [A] US 615258 A 18981206

Cited by
DE102012200877B4; DE102012200877A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2246164 A2 20101103; EP 2246164 A3 20140709; SE 0900548 A1 20101024; SE 534421 C2 20110816

DOCDB simple family (application)
EP 10160761 A 20100422; SE 0900548 A 20090423