

Title (en)
Wrapping machine

Title (de)
Banderoliermaschine

Title (fr)
Banderoler

Publication
EP 1439125 A3 20060322 (DE)

Application
EP 03028393 A 20031211

Priority
DE 10301347 A 20030116

Abstract (en)
[origin: US2004140044A1] A banderoling machine (1) has film rolls (8, 9) on sides of a feed table (2). Film webs (3) of the rolls are joined by a seal seam to form a film curtain (4) which passes through a slot (5) in the feed table (2). Material to be banderoled is pushed towards the curtain, film is placed around the material to form a loop and the loop is tightened by a tensioning device (6) which temporarily clamps at least one of the film webs, and is heat-sealed by a heat-sealing device and separated from the remainder of the film. The web need not be positioned exactly and there is no film waste by providing, on one or both sides of the feed table, a film changing unit (7) where both the working film web (3) and the supply film web (22) are guided through a film sealing unit (10) having at least one separating heat-sealing device (36, 37) to produce a pinch-separating seam between the old working film web and the supply film web and between the excess supply film web (34) and the remainder of the old working film web in one working process.

IPC 8 full level
B65B 9/02 (2006.01); **B65H 19/18** (2006.01); **B65H 19/20** (2006.01)

CPC (source: EP US)
B65B 9/026 (2013.01 - EP US); **B65H 19/1852** (2013.01 - EP US); **B65H 19/1873** (2013.01 - EP US); **B65H 19/20** (2013.01 - EP US); **B65H 2301/4621** (2013.01 - EP US); **B65H 2301/4634** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **B65H 2701/1752** (2013.01 - EP US); **Y10T 156/1054** (2015.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004140044 A1 20040722; **US 7147737 B2 20061212**; AT E382546 T1 20080115; DE 10301347 A1 20040226; DE 10301347 B4 20130508; DE 50308909 D1 20080214; EP 1439125 A2 20040721; EP 1439125 A3 20060322; EP 1439125 B1 20080102; ES 2297091 T3 20080501

DOCDB simple family (application)
US 74601603 A 20031223; AT 03028393 T 20031211; DE 10301347 A 20030116; DE 50308909 T 20031211; EP 03028393 A 20031211; ES 03028393 T 20031211