

Title (en)

METHOD AND APPARATUS FOR FIXING A TAG TO A PLASTIC BAG, USE OF THIS METHOD AND PRODUCT OBTAINED

Publication

EP 0040170 A3 19811125 (DE)

Application

EP 81810148 A 19810415

Priority

CH 289180 A 19800415

Abstract (en)

[origin: US4398990A] Aluminum laminae are heat-sealed onto the inside of flat-bottomed plastic bags so that, by bending the lamina double after the bag has been cut open to remove part of its contents, the bag can be reclosed. The apparatus for sealing the laminae on can be incorporated in an existing bag-filling installation. An aluminum strip is supplied to a punching device from a supply roll. A punched-out aluminum lamina is placed upon the upper part of a conveyor lever. The lever is rotated through 180 DEG so that the aluminum lamina to be sealed on comes to be positioned between two layers of a web of plastic material fed by rollers. The ends of the lever are preheated by heating elements in order to accelerate the sealing-on operation. The aluminum lamina is heat-sealed onto the inside of the folded web in such a way that the longer edges of the lamina form an angle of about 45 DEG with the flat bottom of the bag. The rate of production of the existing filling installation can be maintained despite incorporation of the sealing-on apparatus.

IPC 1-7

B31B 1/90

IPC 8 full level

B31B 19/90 (2006.01); **B31B 70/00** (2017.01); **B31B 160/10** (2017.01)

CPC (source: EP US)

B31B 70/00 (2017.07 - EP US); **B31B 70/813** (2017.07 - EP US); **B31B 70/81** (2017.07 - EP US); **B31B 2160/10** (2017.07 - EP US); **Y10T 156/12** (2015.01 - EP US); **Y10T 156/1317** (2015.01 - EP US); **Y10T 156/1322** (2015.01 - EP US); **Y10T 156/1339** (2015.01 - EP US); **Y10T 156/1744** (2015.01 - EP US); **Y10T 156/1771** (2015.01 - EP US); **Y10T 156/1773** (2015.01 - EP US)

Citation (search report)

- US 3812572 A 19740528 - WEIKERT R
- DE 2438446 A1 19760226 - WINDMOELLER & HOELSCHER
- GB 832897 A 19600421 - HERMAN WANG
- DE 2543592 A1 19760415 - ESSELTEPACK AB
- US 3894381 A 19750715 - CHRISTINE WILLIAM C, et al
- US 3485697 A 19691223 - REED STANLEY I
- US 3882999 A 19750513 - WELLMAN LESTER R
- US 3794545 A 19740226 - LUCAS P

Cited by

CN107458677A; CN106586515A

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0040170 A2 19811118; **EP 0040170 A3 19811125**; **EP 0040170 B1 19850206**; CA 1160090 A 19840110; CH 643791 A5 19840629; DE 3168734 D1 19850321; US 4398990 A 19830816

DOCDB simple family (application)

EP 81810148 A 19810415; CA 375484 A 19810414; CH 289180 A 19800415; DE 3168734 T 19810415; US 25196481 A 19810407