

Title (en)

Application of zipper lengths to a web

Title (de)

Anwendung von Zipplängen auf das Netz

Title (fr)

Application de longueurs de fermeture à glissière sur une toile

Publication

EP 2047765 A3 20131120 (EN)

Application

EP 08172855 A 20050322

Priority

- EP 05729432 A 20050322
- GB 0406626 A 20040324

Abstract (en)

[origin: WO2005092139A1] The apparatus comprises a rotary turret (18) having circumferentially spaced grooves (30a, 30b, 30c) for receiving pre-cut lengths of zipper (58) consisting of first and second interengageable profile strips. Sliders (46) for engaging and re-engaging the profiles are mounted on the zipper lengths by a rotary slider applicator (42). A web (12) of plastics material is fed beneath the turret (18) and receives the zipper lengths which are secured to the web by a heated sealing bar (60). The web with zippers attached is fed to a form-fill-seal machine (20) on which the web is formed into individual bags which are filled and separated from one another.

IPC 8 full level

A44B 19/42 (2006.01); **B31B 19/90** (2006.01); **B65D 33/25** (2006.01)

CPC (source: EP US)

A44B 19/42 (2013.01 - EP US); **B31B 70/8133** (2017.07 - EP US)

Citation (search report)

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- [X] US 4756079 A 19880712 - KANDO AKIYOSHI [JP]
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Designated contracting state (EPC)

DE FR GB IT PL

DOCDB simple family (publication)

WO 2005092139 A1 20051006; AU 2005226944 A1 20051006; AU 2005226944 B2 20090205; AU 2009201273 A1 20090423; AU 2009201273 A8 20090514; AU 2009201273 B2 20110825; CA 2560932 A1 20051006; CA 2560932 C 20110125; CA 2694087 A1 20051006; CA 2694087 C 20130115; DE 602005023139 D1 20101007; EP 1737311 A1 20070103; EP 1737311 B1 20100825; EP 2047765 A2 20090415; EP 2047765 A3 20131120; GB 0406626 D0 20040428; JP 2007530374 A 20071101; JP 2011178171 A 20110915; JP 4773425 B2 20110914; PL 1737311 T3 20110228; US 2007271874 A1 20071129

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GB 2005001078 W 20050322; AU 2005226944 A 20050322; AU 2009201273 A 20090401; CA 2560932 A 20050322; CA 2694087 A 20050322; DE 602005023139 T 20050322; EP 05729432 A 20050322; EP 08172855 A 20050322; GB 0406626 A 20040324; JP 2007504465 A 20050322; JP 2011094217 A 20110420; PL 05729432 T 20050322; US 59375105 A 20050322