

Title (en)

Snap zipper and bag with the same.

Title (de)

Komplementärer Profilverchlussstreifen und Beutel mit demselben.

Title (fr)

Bande de fermeture à profilés d'accouplement et sachet muni de celle-ci.

Publication

EP 0597650 A1 19940518 (EN)

Application

EP 93308892 A 19931108

Priority

- JP 29862492 A 19921109
- JP 29862592 A 19921109

Abstract (en)

A snap zipper (11), in which at least a portion to be fused is mainly composed of a polyolefin type adhesive resin. The polyolefin type adhesive resin has a structure obtained as a result of partial grafting of unsaturated carboxylic acid to a mixture of one or more polyolefin varieties. At least a portion to be fused is mainly composed of polyethylene terephthalate (PBT) resin or polyester type elastomer, the resin in the portion to be fused having a bending modulus of elasticity of 10,000 kg/cm² or below. At least a portion to be fused is mainly composed of polyester type elastomer or polybutylene terephthalate resin and polyolefin type resin, the composition containing 3 to 50 % by weight of the polyolefin type resin. A bag (24) with snap zipper (11), in which the snap zipper (11) according to either of the first to third aspects of the invention noted above is fused via the portion for fusion to a bag body (22). The snap zipper (11) according to the first to third aspects of the invention permits use of the polyester type resin for the bag body sealant layer, to which the snap zipper (11) is fused. <IMAGE>

IPC 1-7

B65D 33/25

IPC 8 full level

A44B 19/16 (2006.01); **B65D 33/25** (2006.01)

CPC (source: EP KR)

A45C 3/04 (2013.01 - KR); **B65D 33/2541** (2013.01 - EP); **A44B 19/16** (2013.01 - EP)

Citation (search report)

- [X] EP 0339324 A1 19891102 - IDEMITSU PETROCHEMICAL CO [JP]
- [X] EP 0371402 A2 19900606 - IDEMITSU PETROCHEMICAL CO [JP]
- [X] EP 0398731 A2 19901122 - REYNOLDS CONSUMER PROD [US]
- [X] EP 0480605 A1 19920415 - ILLINOIS TOOL WORKS [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 416 (M - 1172) 23 October 1991 (1991-10-23)

Cited by

EP0814026A3; EP0801003A3; US6719678B1; WO2015167405A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0597650 A1 19940518; **EP 0597650 B1 19980128**; AU 5052893 A 19940519; AU 679004 B2 19970619; DE 69316712 D1 19980305; DE 69316712 T2 19980514; DE 69324827 D1 19990610; DE 69324827 T2 19990916; DE 69324828 D1 19990610; DE 69324828 T2 19990916; EP 0731033 A2 19960911; EP 0731033 A3 19960925; EP 0731033 B1 19990506; EP 0731034 A2 19960911; EP 0731034 A3 19960918; EP 0731034 B1 19990506; EP 0731035 A2 19960911; EP 0731035 A3 19960918; ES 2111719 T3 19980316; KR 100296391 B1 20011024; KR 940010950 A 19940620

DOCDB simple family (application)

EP 93308892 A 19931108; AU 5052893 A 19931109; DE 69316712 T 19931108; DE 69324827 T 19931108; DE 69324828 T 19931108; EP 96106533 A 19931108; EP 96106556 A 19931108; EP 96106557 A 19931108; ES 93308892 T 19931108; KR 930023297 A 19931104