

Publication

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Application

EP 96106533 A 19931108

Priority

- EP 93308892 A 19931108
- JP 29862492 A 19921109
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Abstract (en)

[origin: EP0597650A1] 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; **A44B 19/02**

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Citation (search report)

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

Cited by

US6487758B2

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