

Title (en)  
Zipper strip and packaging using it

Title (de)  
Reissverschluss und Verpackung zu seiner Verwendung

Title (fr)  
Fermeture à glissière et emballage pour son utilisation

Publication  
**EP 0873856 B1 20050330 (EN)**

Application  
**EP 98300178 A 19980112**

Priority  
US 83997497 A 19970424

Abstract (en)  
[origin: EP0873856A2] A zipper strip (10) for a reclosable bag or package (110 Figure 8) includes a male interlocking profile (12) and a female interlocking profile (14). The male interlocking profile (12) includes a male interlocking member (16) and a male web (20) coextruded therewith. In like manner, the female interlocking profile (14) includes a female interlocking member (18) and a female web (22). The male interlocking member (16) snappingly engages into the female interlocking member (18) to join the profiles (12, 14) to one another. One of the male and female webs (20, 22) is wider than the other in at least one of two directions extending outwards from the male and female interlocking members (16, 18), the greater width forming at least one flange (24, 26) extending widthwise beyond the other web. The zipper strip (10) is designed to be attached to thermoplastic sheet material (50) by sealing the at least one flange (24, 26) thereto without sealing the male and female webs (20, 22) to each other. Methods for securing the zipper strip (10) to thermoplastic sheet material, and for making packages on a horizontal form-fill-and-seal machine, are also disclosed. <IMAGE>

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**B31B 19/90**

IPC 8 full level  
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Cited by  
US6810639B1; US6526727B2; US6904735B2; EP1279612A3; JP2001018928A; EP1057620A3; DE102008047967A1; US6779921B2; US7413535B2; US6711875B2; US6922971B2; US6922972B2; US7082737B2; US8397474B2; US10464701B2

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