

Title (en)

Method of forming space section devoid of coupling elements in continuous slide fastener chain.

Title (de)

Verfahren zum Herstellen von gliedfreien Lücken in einer fortlaufenden Reissverschlusskette.

Title (fr)

Procédé de formation de sections exemptes d'éléments d'accouplement dans une chaîne continue de fermeture à glissière.

Publication

EP 0407846 B1 19950628 (EN)

Application

EP 90112562 A 19900702

Priority

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Abstract (en)

[origin: EP0407846A2] An improved method of forming space sections devoid of coupling elements disposed, with a predetermined distance, in a slide fastener chain which is composed of a pair of continuous rows of interengaged coupling elements. In the method of forming one space section in a one-cycle, the slide fastener chain is transported intermittently below an element-removing apparatus. According to the preferred embodiment, the element-removing apparatus includes a punch and downstream and upstream locating pins are provided at the both ends of the punch. These pins engage to two elements respectively, which are terminal end elements of a normal portion not to be the space section, for positioning a downstream side part and an upstream side part of a portion to be the space section respectively. The pins and the punch move vertically so as not to interfere with each other. The punch descends to cut the rows of the elements of the both parts of the portion separately. By carrying out this one-cycle repeatedly, the space sections can be formed repeatedly one by one in the slide fastener chain, with the predetermined distance, without forming a faulty element at the opposite adjacent sides of the space section.

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