

Title (en)
WATERTIGHT SLIDE FASTENER STRINGER

Publication
EP 0095161 B1 19850814 (EN)

Application
EP 83105020 A 19830520

Priority
JP 7725982 U 19820526

Abstract (en)
[origin: EP0095161A1] A watertight slide fastener stringer (20) comprises a row of discrete coupling elements (1) mounted on a support tape (7) and an auxiliary tape (8) along their folded edge portions (7a, 8a), there being first and second contact portions (7b, 8b) contiguous to the respective folded edge portions (7a, 8b) and engageable with corresponding first and second contact portions (7b, 8b), respectively, of a like companion stringer (20 min) to effect watertightness between the two support tapes (7, 7 min) and also between the two auxiliary tapes (8, 8 min). Each coupling element (1) has a neck (6) extending centrally from a base (2), and a pair of flanged legs (3a, 3b) extending from opposite ends of the base (2) in the same direction as the neck (6) so as to hold the folded edge portions (7a, 8a) of the support and auxiliary tapes (7, 8) between one leg (3a) and the neck (6) and between the latter and the other leg (3b), respectively. Each leg (3a, 3b) terminates in a flange (4a, 4b) disposed on the back surface of the respective contact portion (7b, 8b). With the watertight slide fastener in closed position, if lateral pulling forces, for example, are exerted on the opposed tapes (7, 7 min), the opposed coupling elements (1, 1 min) roll or tilt so as to reduce the tightness between the opposed first contact portions (7b, 7 min b). At the same time this rolling causes the opposed second contact portions (8b, 8 min b) to be pressed against each other with increased tightness, thus maintaining efficient and reliable watertightness between the opposed companion stringers (20, 20 min).

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