

Title (en)
CLOSING STAPLE

Publication
EP 0199154 A3 19870121 (DE)

Application
EP 86104518 A 19860402

Priority
DE 3513534 A 19850416

Abstract (en)
[origin: EP0199154A2] It is desirable in U-shaped closure clips for bags, hoses or the like, which clips consist of a wire portion with a virtually constant profile over its length, to improve the profile compared to known clips in such a way that a further saving of material is achieved whilst maintaining the same resistance moment and the guiding in the clip guide channel is substantially improved by the design of the clip profile. This is achieved in that, in a profile whose height is greater than its width and in which the inside (4) of the closure clip (2) is wider than the outside, the side surfaces (6, 7, 9) of the profile (1) have symmetrical shoulders (8) on both sides in the region of the bending plane (16). <IMAGE>

IPC 1-7
B65D 33/16; **B65D 77/18**

IPC 8 full level
B65D 33/16 (2006.01); **B65D 33/17** (2006.01)

CPC (source: EP)
B65D 33/1641 (2013.01)

Citation (search report)
• [X] WO 8500792 A1 19850228 - TIPPER TIE INC [US]
• [Y] US 3541647 A 19701124 - MARIETTA JAMES W JR
• [AD] US 3584347 A 19710615 - KLENZ LARL A

Cited by
EP2151397A1; US6401306B1; WO9830460A1

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AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0199154 A2 19861029; **EP 0199154 A3 19870121**; AU 5612486 A 19861023; BR 8601687 A 19861216; DE 3513534 A1 19861016; DK 171086 A 19861017; DK 171086 D0 19860415; ES 293611 U 19860816; FI 861439 A0 19860403; FI 861439 A 19861017; GR 860973 B 19860812; JP S61287552 A 19861217; NO 861464 L 19861017

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