

Title (en)
FLEXIBLE AND ADJUSTABLE FASTENER

Title (de)
FLEXIBLE UND EINSTELLBARE BEFESTIGUNG

Title (fr)
UNE ATTACHE SOUPLE ET REGLABLE

Publication
EP 1788902 A1 20070530 (FR)

Application
EP 05798261 A 20050818

Priority

- FR 2005002110 W 20050818
- FR 0408962 A 20040818
- FR 0500883 A 20050128

Abstract (en)
[origin: WO2006021696A1] The invention concerns a closure device for flexible and adjustable fastening between two edges located opposite or crosswise, in particular for footwear, clothing, textile, leathercraft and sportswear, consisting of at least one tongue (5) and two edges (1, 2), the tongue (5) being provided with a hook-and-loop textile (7) and being linked to a first edge (2). The invention is characterized in that an elastic portion (9) is fixed at an anchoring portion (8) beneath said first edge (2), and the other longitudinal end of the elastic portion (8) is secured to the tongue (5), and in that the free portion of the tongue (5) emerges outward of the first edge (2) through a buttonhole or an outer slot (4) provided in said first edge (2), such that by pulling on said tongue (5), the traction exerted on the tongue (5) causes an extension of the elastic portion (9), enabling the tongue (5) to be extended outside the slot (4), and to be applied and secured by simple pressure on a complementary catching portion (8) of an indentation (3) of one of the two edges (2, 1), and in that the anchoring portion (8) beneath said first edge (2) is arranged at a distance such that it enables a sufficient length of tongue (5) to be provided beneath said first edge (2), and in that the elastic portion (9) should be spaced apart from the slot (4) in rest position beneath the first edge (2), so that upon a maximum pull on the elastic portion (9), the invisible portion of the tongue (5) located beneath the edge (2) extends outside the slot (4) while the elastic portion (9) neither shows nor passes through the slot (4), such that the extension of the tongue (5) enables the fastener to be readily and conveniently and adjusted.

IPC 8 full level
A43C 11/14 (2006.01)

CPC (source: EP US)
A43B 1/0081 (2013.01 - EP US); **A43C 11/1493** (2013.01 - EP US)

Citation (search report)
See references of WO 2006021696A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006021696 A1 20060302; WO 2006021696 A8 20070426; AT E446692 T1 20091115; DE 602005017407 D1 20091210; EP 1788902 A1 20070530; EP 1788902 B1 20091028; ES 2335906 T3 20100406; MA 28865 B1 20070903; PT 1788902 E 20100201; US 2008110050 A1 20080515

DOCDB simple family (application)
FR 2005002110 W 20050818; AT 05798261 T 20050818; DE 602005017407 T 20050818; EP 05798261 A 20050818; ES 05798261 T 20050818; MA 29760 A 20070315; PT 05798261 T 20050818; US 65995605 A 20050818