

Title (en)
Pression button active male element

Title (de)
Aktives Druckknopfsteckelement

Title (fr)
Élément mâle actif de bouton pression

Publication
EP 2361522 A1 20110831 (EN)

Application
EP 11155529 A 20110223

Priority
IT MI20100321 A 20100226

Abstract (en)
A pression button of a type comprising a female portion (2) including an active female element (7) having a seat (11) for engagement in an annular groove (17) of an active male element (14) comprises moreover a male portion (3) having an active male element (14) and a clamping element (19) including a contoured annular body (20) for clamping to an under-head portion of the active male element (14). In an assembled condition, the male portion (3) of the button (13) has an outward turned portion of the contoured annular body (20) engaged in a groove formed on an under-head portion of the active male element (14) with an interposition of a fabric flap portion, thereby, owing to a large extension of this fabric flap portion, provided by an arch coupling of the outward turned portion and groove, the button (13) male portion (3) is efficiently clamped to the fabric flap, even if an active male element (14) including a small size head is used. With respect to prior pression buttons, the inventive button has the advantage that the male portion thereof preserves its designing dimension, and is not affected by any efforts for applying it to the fabric. Moreover, the inventive button advantageously has a pleasant aesthetic aspect owing to its small size and simple and essential pattern of the exposed to the view male element part.

IPC 8 full level
A44B 17/00 (2006.01)

CPC (source: EP)
A44B 17/0052 (2013.01); **A44B 17/007** (2013.01); **A44D 2201/50** (2013.01)

Citation (applicant)
WO 2004095966 A1 20041111 - HIRDES RUEDIGER [DE]

Citation (search report)
• [IA] AU 3430171 A 19730412 - NCL PRECISION PRODUCTS PTY LTD
• [A] EP 1084642 A2 20010321 - MORITO CO LTD [JP]
• [A] DE 202006006248 U1 20070823 - MATEC SP Z O O [PL]
• [A] FR 1360657 A 19640508 - CARR FASTENER CO LTD
• [A] WO 2004095966 A1 20041111 - HIRDES RUEDIGER [DE]

Cited by
EP4193872A1; US10986901B2; US11969060B2; WO2017042977A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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