

Title (en)

Quick-release buckle for straps of helmets for motorcyclists, cyclists and similar uses

Title (de)

Leicht lösbare Schnalle für Motorradhelm, Fahrradhelm und ähnliche Anwendungen

Title (fr)

Boucle à ouverture rapide pour sangles de casques moto, cyclo et équivalents

Publication

**EP 0838172 A3 19981209 (EN)**

Application

**EP 97116789 A 19970926**

Priority

- IT MI962031 A 19961002
- IT MI970175 U 19970311

Abstract (en)

[origin: EP0838172A2] Quick-release buckle for straps of helmets for motorcyclists and the like, particularly for chin-straps, of the type comprising: a containment body; a metal plate (1) with an eyelet (1a) for coupling to a strap portion which is rigidly coupled to the helmet and with edges folded in the shape of the letter U; a bayonet (8) having, at one end, an eyelet and, at the opposite end, a slot (8b) for engaging a raised portion which protrudes from the plate (1); and a button (4), which is arranged in opposition to return springs (6); the buckle is constituted by a metal plate (1), with an eyelet (1a) which is rigidly coupled to the strap portion and with edges which are folded in the shape of the letter C and constitute two sliding guides (1b; 1c) for the release button (4) arranged in opposition to a return spring (6). The plate (1) is enclosed between a box-like body (2) and a lower cover (3) which is open at the front and is provided with engagement means, constituted by a substantially arc-shaped raised portion (10) or by a through hole (14), which are arranged close to the fixed eyelet (1a) and are shaped so as to allow their stable coupling in corresponding arc-shaped means (8b; 13) formed at the end of a flat bayonet (8) after the insertion of the bayonet in the buckle body. The insertion of the bayonet (8) causes the movement of the button (4) and the loading of the spring (6) until the mutual engagement of the coupling means (8b; 10; 13, 14) is completed; the coupling is stabilized by the automatic return of the button (4) above the mutually coupled means, while release is achieved by simply retracting the button. <IMAGE>

IPC 1-7

**A44B 11/25**

IPC 8 full level

**A44B 11/25** (2006.01)

CPC (source: EP)

**A42B 3/08** (2013.01); **A44B 11/2592** (2013.01)

Citation (search report)

- [X] US 3399431 A 19680903 - SHANKLIN DONALD J, et al
- [Y] US 4744134 A 19880517 - BETENCOURT JOSEPH [FR]
- [Y] GB 2287745 A 19950927 - TREBISACCE MARIO [GB]
- [A] FR 1294259 A 19620526
- [A] US 3127655 A 19640407 - CARTER ANDREW G
- [A] DE 2250038 A1 19740418 - SITAM SOCIETA IND TELAI AUTOMA

Cited by

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