

Title (en)

Attachment loop for adjusting and tightening a strap

Title (de)

Befestigungsschnalle zum Regulieren und Festziehen eines Gurts

Title (fr)

Boucle d'attache pour le réglage et le serrage d'une sangle

Publication

**EP 2198731 A1 20100623 (FR)**

Application

**EP 09354044 A 20091028**

Priority

FR 0806591 A 20081124

Abstract (en)

The buckle (10) has a pair of superposed rings (11, 12) i.e. rectangular frames of different dimensions, where one of the rings includes a rectangular opening (13) arranged under another rectangular opening (14). The buckle is in position to block a strap in a slot (16) to follow application of clamping force or in releasing position after swiveling movement of the other ring. The latter ring is articulated on the former ring by utilizing a connecting spring (19) to press the latter ring against the former ring and to urge the latter ring slidingly to blocking position. The ring is totally molded from casting in coating made of plastic material.

Abstract (fr)

Boucle d'attache pour la mise en place et le réglage d'une sangle 15, composée d'une paire d'anneaux 11, 12 superposés de dimensions différentes, et d'une fente 16 transversale de passage de la sangle. Le deuxième anneau 12 est articulé au premier anneau 11 au moyen d'un ressort de liaison 19 apte à plaquer le deuxième anneau 12 contre le premier anneau 11, et à solliciter ledit deuxième anneau à coulissement vers la position de blocage.

IPC 8 full level

**A44B 11/18** (2006.01)

CPC (source: EP US)

**A44B 11/18** (2013.01 - EP US); **Y10T 24/40** (2015.01 - EP US); **Y10T 24/4012** (2015.01 - EP US); **Y10T 24/4016** (2015.01 - EP US); **Y10T 24/4019** (2015.01 - EP US); **Y10T 24/4079** (2015.01 - EP US); **Y10T 24/4084** (2015.01 - EP US)

Citation (applicant)

EP 0614626 A1 19940914 - ZEDEL [FR]

Citation (search report)

- [AD] EP 0614626 A1 19940914 - ZEDEL [FR]
- [T] EP 0582559 A2 19940209 - HOLMBERGS FAB AB BRDR [SE]
- [T] DE 202007010746 U1 20071025 - KIEFFER GEORG SATTLERWAREN [DE]
- [T] FR 1305668 A 19621005 - AMERICAN VISCOSE CORP
- [T] US 2938254 A 19600531 - GAYLORD JOHN A

Cited by

EP3357370A1; DE102022202632B3

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2198731 A1 20100623**; **EP 2198731 B1 20120718**; CN 101756431 A 20100630; CN 101756431 B 20140528; ES 2391443 T3 20121126; FR 2938739 A1 20100528; FR 2938739 B1 20101210; US 2010125980 A1 20100527; US 8381366 B2 20130226

DOCDB simple family (application)

**EP 09354044 A 20091028**; CN 200910225032 A 20091124; ES 09354044 T 20091028; FR 0806591 A 20081124; US 59111709 A 20091109