

Title (en)

Adjustable, self-locking buckle

Title (de)

Verstellbare Schnalle mit selbsthemmender Gurtbefestigung

Title (fr)

Boucle d'attache réglable et à autoserrage d'une sangle

Publication

EP 0614626 B1 19980930 (FR)

Application

EP 94420072 A 19940302

Priority

FR 9302929 A 19930311

Abstract (en)

[origin: EP0614626A1] A self-locking attachment buckle 10 for a strap 16 includes a pair of rings 12, 14 which are superposed in the form of rectangular frames having two openings 18, 20 of different size, and a transverse slot 32 for the strap 16 to pass through. The buckle 10 is located either in a blocking position after the application of a locking (gripping) force or in a position for unblocking by means of a voluntary unlocking action, giving rise to sliding of the second ring 14, and the increase in the zone of passage of the strap 16 in the slot 32 after rocking of the buckle 10. The outer edge of the crosspiece 40 of the second ring 14 is permanently set back from the parallel edge of the first ring 12 so as not to impede the rocking movement. Applications: speleology (caving), climbing, mountaineering (alpine sports), construction sites. <IMAGE>

IPC 1-7

A44B 11/18

IPC 8 full level

A44B 11/00 (2006.01); **A44B 11/02** (2006.01); **A44B 11/18** (2006.01)

CPC (source: EP KR US)

A44B 11/18 (2013.01 - EP US); **A63B 27/00** (2013.01 - KR); **Y10T 24/4016** (2015.01 - EP US); **Y10T 24/4084** (2015.01 - EP US); **Y10T 24/4086** (2015.01 - EP US)

Cited by

EP2198731A1; EP2862469A1; FR3042101A1; FR2938739A1; FR3012018A1; CN104544771A; RU2666003C2; WO2006116791A1; DE102022202632B3; US8381366B2; US9433260B2; EP4124253A1; FR3125687A1; US11839269B2

Designated contracting state (EPC)

CH DE ES GB IT LI

DOCDB simple family (publication)

EP 0614626 A1 19940914; **EP 0614626 B1 19980930**; AU 5765294 A 19940915; AU 670352 B2 19960711; DE 69413580 D1 19981105; DE 69413580 T2 19990506; ES 2122202 T3 19981216; FR 2702524 A1 19940916; FR 2702524 B1 19950421; JP 3468819 B2 20031117; JP H06346305 A 19941220; KR 100279085 B1 20010201; KR 940021093 A 19941017; US 5432984 A 19950718

DOCDB simple family (application)

EP 94420072 A 19940302; AU 5765294 A 19940309; DE 69413580 T 19940302; ES 94420072 T 19940302; FR 9302929 A 19930311; JP 3981294 A 19940310; KR 19940004681 A 19940310; US 20409994 A 19940302