

Title (en)

Fastening device

Title (de)

Befestigungsvorrichtung

Title (fr)

Dispositif d'attache

Publication

**EP 2272390 A2 20110112 (EN)**

Application

**EP 10168619 A 20100706**

Priority

GB 0911711 A 20090706

Abstract (en)

A fastening device (10) for a ratchet-type strap (12) includes a ratchet engaging member (30) for releasably engaging a ratchet-type strap (12) to prevent movement of the strap in a first direction, and a tightening member (35) for releasably engaging a ratchet-type strap (12) for moving the strap in a second direction. The engaging member (30) and tightening member (35) are resiliently biased with respect to each other by a single biasing member (46) which is configured to bias the engaging member (30) into a position to engage with the strap and to bias the tightening member (35) out of a position of engagement with the strap (12).

IPC 8 full level

**A43C 11/14** (2006.01)

CPC (source: EP US)

**A43C 11/146** (2013.01 - EP US); **Y10T 24/2183** (2015.01 - EP US); **Y10T 24/2192** (2015.01 - EP US)

Citation (applicant)

- US 5606779 A 19970304 - LU JINNY [TW]
- US 5779259 A 19980714 - LIN JACK [US]
- US 5887318 A 19990330 - NICOLETTI GRAZIANO [IT]
- US 5909850 A 19990608 - CAVASIN GIUSEPPE [IT], et al
- US 7086122 B2 20060808 - LIVINGSTON DAVID [US]

Cited by

EP2554066A1; CN104853635A; EP2908687A4; US9332798B2; WO2014093239A1; US9351539B2

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**EP 2272390 A2 20110112**; GB 0911711 D0 20090819; US 2011000057 A1 20110106

DOCDB simple family (application)

**EP 10168619 A 20100706**; GB 0911711 A 20090706; US 83050810 A 20100706