

Title (en)

CONNECTING ELEMENT AND FASTENING ARRANGEMENT FOR SEAT RAILS IN AN AIRCRAFT

Title (de)

VERBINDUNGSELEMENT UND BEFESTIGUNGSANORDNUNG FÜR SITZSCHIENEN IN EINEM FLUGZEUG

Title (fr)

ÉLÉMENT DE RACCORDEMENT ET SYSTÈME DE FIXATION POUR RAILS DE SIÈGE DANS UN AVION

Publication

**EP 2555972 A1 20130213 (DE)**

Application

**EP 11725606 A 20110407**

Priority

- DE 102010014301 A 20100409
- DE 2011000376 W 20110407

Abstract (en)

[origin: CA2795307A1] A fastening arrangement for connecting two structural elements (1, 2) extending at an angle from each other, especially in a lightweight construction, is disclosed. The first structural element (1) has a recess (10) into which the second structural element engages at least in part. A fastening section (32) of a first leg (30) of the first connecting element (3) that is designed as an angle rests on the first structural element (1) on one side of the recess (10), the first connecting element (3) being connected to the first structural element (1). A fastening section (38) of a second leg (36) of the first connecting element (3) rests against the second structural element (2), the first connecting element (3) being connected to the second structural element (2). In a first direction (z) running parallel to the bending edge (35) between the first (30) and the second (36) leg, the second leg (36) is longer than the fastening section (32) of the first leg (30), an extension part (38') of the fastening section (38) of the second leg (36) projecting beyond the fastening section (32) of the first leg (10) in said direction (z), the extension part (38') having a free end (37). The first leg (30) includes at least one supporting section (34) extending from the fastening section (32) of the first leg (30) to the extension part (39) of the second leg (36). A second connecting element (4) designed as an angle is provided on the side of the second structural element (2) facing away from the first connecting element (3). The second connecting element (4) is connected to both the first structural element (1) and the second structural element (2). The first connecting element (3) includes a third leg (39) that is connected to the first leg (30) and the second leg (36).

IPC 8 full level

**B64C 1/18** (2006.01)

CPC (source: EP US)

**B64C 1/18** (2013.01 - EP US); **B64C 1/26** (2013.01 - EP US); **F16B 1/00** (2013.01 - US); **F16B 5/00** (2013.01 - US); **F16B 12/50** (2013.01 - US); **F16B 2200/67** (2023.08 - EP US)

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

DOCDB simple family (publication)

**DE 102010014301 A1 20111013**; BR 112012025808 A2 20160628; CA 2795307 A1 20111013; EP 2555972 A1 20130213; RU 2012147514 A 20140520; US 2013216300 A1 20130822; US 8998137 B2 20150407; WO 2011124215 A1 20111013

DOCDB simple family (application)

**DE 102010014301 A 20100409**; BR 112012025808 A 20110407; CA 2795307 A 20110407; DE 2011000376 W 20110407; EP 11725606 A 20110407; RU 2012147514 A 20110407; US 201113640183 A 20110407