

Title (en)

BELT CLOSURE AND CHIN STRAP OF A PROTECTIVE HELMET EQUIPPED THEREWITH

Title (de)

GURTVERSCHLUSS UND DAMIT AUSGERÜSTETER KINNRIEMEN EINES SCHUTZHELMES

Title (fr)

FERMOIR DE SANGLE ET JUGULAIRE D'UN CASQUE DE PROTECTION ÉQUIPÉE DE CE FERMOIR DE SANGLE

Publication

EP 2773232 A1 20140910 (DE)

Application

EP 12813448 A 20121030

Priority

- DE 102011054945 A 20111031
- IB 2012002673 W 20121030

Abstract (en)

[origin: CA2851052A1] The invention relates to a belt closure (20) for detachably connecting two belt ends (10a, 10b), which belt closure has a housing (30) and a plug (40) that can be clipped into the housing (30). The belt closure (20) is a safety closure that opens if a predetermined tensile load acts on the belt ends (10a, 10b). A separate finger flap (44) is articulated at a front end (42) of the plug (40) for clipping into the housing. The finger flap is preloaded outwards in a direction away from the plug (40) by a separate spring (50). By means of a stop surface (47) opposite the articulation point, the finger flap (44) can be brought in contact with a stop surface (67) of the housing (30). Both stop surfaces (47, 67) are tilted forward by an angle (a) > 0°, in particular an angle (a) of 20°. In addition, the two stop surfaces (47, 67) are convexly or concavely curved, wherein the stop surface (47) of the finger flap (44) has a smaller radius of curvature than the stop surface (67) of the finger opening (60).

IPC 8 full level

A42B 3/08 (2006.01); **A01K 27/00** (2006.01); **A44B 11/26** (2006.01)

CPC (source: EP US)

A42B 3/08 (2013.01 - EP US); **A44B 11/006** (2013.01 - US); **A44B 11/263** (2013.01 - EP US); **Y10T 24/45241** (2015.01 - EP US); **Y10T 24/45602** (2015.01 - EP US)

Citation (search report)

See references of WO 2013064899A1

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 102011054945 A1 20130502; **DE 102011054945 B4 20130613**; AU 2012330884 A1 20140508; BR 112014010287 A2 20170418; CA 2851052 A1 20130510; CN 103917121 A 20140709; CN 103917121 B 20160120; EP 2773232 A1 20140910; EP 2773232 B1 20150812; JP 2014532818 A 20141208; US 2014250572 A1 20140911; US 9554609 B2 20170131; WO 2013064899 A1 20130510

DOCDB simple family (application)

DE 102011054945 A 20111031; AU 2012330884 A 20121030; BR 112014010287 A 20121030; CA 2851052 A 20121030; CN 201280053761 A 20121030; EP 12813448 A 20121030; IB 2012002673 W 20121030; JP 2014537745 A 20121030; US 201214352819 A 20121030