

Title (en)

FASTENING ELEMENT, ASSEMBLY COMPRISING SAID FASTENING ELEMENT, FRONT END MODULE COMPRISING SAID FASTENING ELEMENT, AND METHOD FOR FASTENING SAID FASTENING ELEMENT

Title (de)

BEFESTIGUNGSELEMENT, ANORDNUNG MIT EINEM DERARTIGEN BEFESTIGUNGSELEMENT, FRONTENDMODUL MIT EINEM DERARTIGEN BEFESTIGUNGSELEMENT SOWIE VERFAHREN ZUR BEFESTIGUNG DIESES BEFESTIGUNGSELEMENTS

Title (fr)

ELEMENT DE FIXATION, ENSEMBLE COMPRENANT LEDIT ELEMENT DE FIXATION, MODULE DE FACE AVANT COMPRENANT LEDIT ELEMENT DE FIXATION ET PROCEDE POUR FIXER LEDIT ELEMENT DE FIXATION

Publication

**EP 3310546 A1 20180425 (FR)**

Application

**EP 16726320 A 20160601**

Priority

- FR 1555686 A 20150622
- EP 2016062421 W 20160601

Abstract (en)

[origin: WO2016206935A1] Fastening element (10, 20, 30, 40) provided with a first end (16, 26, 36, 46) and a cavity (11) for receiving a complementary element therein, wherein the cavity (11) extends from the first end (16, 26) of the fastening element (10, 20, 30, 40) in an axial direction with respect to said fastening element (10, 20, 30, 40) towards a second end (17, 27, 37, 47), the fastening element (10, 20, 30, 40) having an outer wall which extends between the first end (16, 26, 36, 46) and the second end (17, 27, 37, 47), the outer wall comprising a wavy surface. The invention also relates to an assembly comprising an article and such a fastening element, and also to a front end module for a motor vehicle and to the fastening method comprising such a fastening element.

IPC 8 full level

**B29C 45/14** (2006.01)

CPC (source: EP US)

**B29C 45/0005** (2013.01 - EP US); **B29C 45/0046** (2013.01 - EP US); **B29C 45/14** (2013.01 - EP US); **B29C 65/70** (2013.01 - US); **B29C 70/845** (2013.01 - US); **F16B 37/00** (2013.01 - US); **B29C 45/14598** (2013.01 - EP US); **B29K 2105/12** (2013.01 - US); **B29K 2309/08** (2013.01 - EP US); **B29K 2705/00** (2013.01 - US); **B29K 2995/0094** (2013.01 - EP US); **B29L 2031/727** (2013.01 - US)

Citation (search report)

See references of WO 2016206935A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3037525 A1 20161223**; **FR 3037525 B1 20171229**; CN 107949467 A 20180420; EP 3310546 A1 20180425; US 2018186108 A1 20180705; WO 2016206935 A1 20161229

DOCDB simple family (application)

**FR 1555686 A 20150622**; CN 201680037123 A 20160601; EP 16726320 A 20160601; EP 2016062421 W 20160601; US 201615738177 A 20160601