

Title (en)

METHOD FOR THE PRODUCTION OF A COMPOSITE TRAILING EDGE PANEL FOR AN AIRCRAFT ELEMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER AUSTRITTSKANTENVERBUNDPLATTE FÜR EIN FLUGZEUGELEMENT

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PANNEAU DE COMPOSITE DE BORD DE FUIITE POUR UN ÉLÉMENT D'AÉRONEF

Publication

EP 2512915 A2 20121024 (FR)

Application

EP 10805808 A 20101214

Priority

- FR 0906157 A 20091218
- FR 2010052729 W 20101214

Abstract (en)

[origin: WO2011073573A2] The invention relates to a structural composite trailing edge panel (1) for an aircraft element having: an upper surface (3), a lower surface (5), and a trailing edge (7) connecting said upper (3) and lower (5) surfaces, the upper surface (3) and the lower surface (5) being connected by transverse stiffeners (9), at least one longitudinal spar (10) being positioned in such a way that the directrix (?10) of each longitudinal spar (10) and the directrix (?9) of the transverse stiffeners (9) are not collinear and the structuring panel (1) being made up of a one-piece component forming the upper surface (3), the lower surface (5), the trailing edge (7), the transverse stiffeners (9) and the spar or spars (10). The invention also relates to a method of manufacturing such a panel (1) and to an aircraft element comprising such a panel (1).

IPC 8 full level

B64C 3/18 (2006.01); **B29C 70/30** (2006.01); **B29D 24/00** (2006.01); **B29D 99/00** (2010.01); **B64C 3/28** (2006.01)

CPC (source: EP US)

B29C 70/302 (2021.05 - EP US); **B29D 99/0028** (2013.01 - EP US); **B64C 3/18** (2013.01 - EP US); **B64C 3/20** (2013.01 - EP US); **B64C 3/26** (2013.01 - EP US); **B29L 2031/3085** (2013.01 - EP US); **Y02T 50/40** (2013.01 - EP US); **Y10T 29/49622** (2015.01 - EP US)

Citation (search report)

See references of WO 2011073573A2

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)

WO 2011073573 A2 20110623; **WO 2011073573 A3 20110811**; BR 112012011517 A2 20160607; CA 2782708 A1 20110623; CN 102656085 A 20120905; EP 2512915 A2 20121024; FR 2954269 A1 20110624; FR 2954269 B1 20121228; RU 2012129704 A 20140127; US 2012267479 A1 20121025

DOCDB simple family (application)

FR 2010052729 W 20101214; BR 112012011517 A 20101214; CA 2782708 A 20101214; CN 201080057697 A 20101214; EP 10805808 A 20101214; FR 0906157 A 20091218; RU 2012129704 A 20101214; US 201013516770 A 20101214