

Title (en)

Airblast injectors for multipoint injection and methods of assembly

Title (de)

Drucklufteinspritzer für Mehrpunkteinspritzung und Montageverfahren

Title (fr)

Injecteurs à air comprimé pour injection multipoint et procédés d'assemblage

Publication

**EP 2589866 A3 20170125 (EN)**

Application

**EP 12191139 A 20121102**

Priority

- US 201161555363 P 20111103
- US 201213665568 A 20121031

Abstract (en)

[origin: EP2589866A2] A method of assembling an airblast injector (100) includes forming a fluid passage (128) on an internal conical surface (127) of a first nozzle component (102) and/or on an outer conical surface of a second nozzle component (104) configured and adapted to mate with the first nozzle component to form at least a portion of a fluid circuit (120) therebetween. The fluid passage is configured and adapted to provide passage for fluid in the fluid circuit between the first and second nozzle components. The method also includes joining the first and second nozzle components together by engaging the second nozzle component within the first nozzle component.

IPC 8 full level

**F23D 11/10** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)

**F23D 11/107** (2013.01 - EP US); **F23R 3/16** (2013.01 - US); **F23R 3/28** (2013.01 - EP US); **F23D 2900/11101** (2013.01 - EP US); **Y10T 29/49432** (2015.01 - EP US)

Citation (search report)

- [XY] US 2007101727 A1 20070510 - PROCIW LEV A [CA]
- [YA] BE 488386 A
- [XY] GB 2131154 A 19840613 - EX CELL O CORP
- [YA] GB 2459771 A 20091111 - DELAVAN INC [US]
- [A] WO 8905195 A1 19890615 - DEUTSCHE FORSCH LUFT RAUMFAHRT [DE]
- [A] GB 2459041 A 20091014 - DELAVAN INC [US]

Cited by

EP3076082A1; EP3156732A1; EP3553382A1; US9897321B2; US10309651B2; US10385809B2; US11111888B2; US10132500B2; US10788214B2

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)

**EP 2589866 A2 20130508; EP 2589866 A3 20170125; EP 2589866 B1 20220112**; US 2014339339 A1 20141120

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**EP 12191139 A 20121102**; US 201213665568 A 20121031