

Title (en)

AIR SHIELD FOR A FUEL INJECTOR OF A COMBUSTOR

Title (de)

LUFTSCHILD FÜR EINEN KRAFTSTOFFINJEKTOR EINER BRENNKAMMER

Title (fr)

ÉCRAN D'AIR POUR UN INJECTEUR DE CARBURANT D'UNE CHAMBRE DE COMBUSTION

Publication

**EP 3067623 A1 20160914 (EN)**

Application

**EP 16158422 A 20160303**

Priority

US 201514643732 A 20150310

Abstract (en)

An air shield (100, 200) for an injector (32) of a combustor includes a first section (102) that extends axially from a first end (101) to a second end (103), and a channel (112) defined by the air shield. The channel includes at least one inlet proximate to the second end. The at least one inlet is configured to receive a channel airflow (144) that is a portion of a surrounding airflow (44). The channel (112) is configured to control a distribution of the channel airflow (144) to the injector (32).

IPC 8 full level

**F23R 3/00** (2006.01); **F23R 3/34** (2006.01)

CPC (source: CN EP US)

**F23R 3/002** (2013.01 - EP US); **F23R 3/26** (2013.01 - US); **F23R 3/34** (2013.01 - CN); **F23R 3/346** (2013.01 - EP US)

Citation (search report)

- [XY] US 2014260273 A1 20140918 - MELTON PATRICK BENEDICT [US], et al
- [XY] US 2014260264 A1 20140918 - STOIA LUCAS JOHN [US], et al
- [X] EP 2728264 A2 20140507 - GEN ELECTRIC [US]
- [X] US 8479518 B1 20130709 - CHEN WEI [US]
- [XA] EP 2615372 A2 20130717 - GEN ELECTRIC [US]

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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 3067623 A1 20160914**; CN 105972642 A 20160928; JP 2016166728 A 20160915; US 2016265781 A1 20160915

DOCDB simple family (application)

**EP 16158422 A 20160303**; CN 201610137274 A 20160310; JP 2016040556 A 20160303; US 201514643732 A 20150310