

Title (en)

Structural composite fan exit guide vane for a turbomachine

Title (de)

Strukturverbundfanleitschaufel für eine Turbomaschine

Title (fr)

Aube directrice de sortie de fan composite structurelle pour turbomachine

Publication

EP 2562361 B1 20151209 (EN)

Application

EP 12181806 A 20120824

Priority

US 201113217372 A 20110825

Abstract (en)

[origin: EP2562361A1] A structural composite fan exit guide vane assembly uses single component monolithic structural guide vane segments (200) to provide airflow correction and structural support in a gas turbine engine. The segments (200) comprise an inner diameter shroud (258), an outer diameter shroud (256) and a plurality of vanes (252,254) connecting the shrouds (256,258).

IPC 8 full level

F01D 9/04 (2006.01)

CPC (source: EP US)

F01D 9/042 (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

Cited by

EP3124751A1; FR3003668A1; US9303531B2; US10019549B2; US10370988B2; WO2014154981A1; US9303520B2; US10724390B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2562361 A1 20130227; **EP 2562361 B1 20151209**; **EP 2562361 B2 20190410**; US 2013052004 A1 20130228

DOCDB simple family (application)

EP 12181806 A 20120824; US 201113217372 A 20110825