

Title (en)
Blisk

Title (de)
Blisk

Title (fr)
Grille monobloc

Publication
EP 2896794 A1 20150722 (EN)

Application
EP 15150251 A 20150107

Priority
GB 201400756 A 20140116

Abstract (en)
A blisk (12) has a rotor disk part and a circumferential row of blades extending from and integral with the disk part (30). A plurality of annulus fillers (34) is provided to bridge the gaps between adjacent blades. Each annulus filler (34) has an outer lid (36) which defines an airflow surface for air being drawn through the engine in an axial airflow direction, and an inner support structure which connects to the disk part (30) to support the lid (36) on the blisk (12). Opposite edges of the lid make respective lines of contact (38) with a suction side of one blade and a pressure side of an adjacent blade.

IPC 8 full level
F01D 11/00 (2006.01); **F01D 5/30** (2006.01); **F01D 5/34** (2006.01)

CPC (source: EP US)
F01D 5/3061 (2013.01 - EP US); **F01D 5/34** (2013.01 - EP US); **F01D 11/008** (2013.01 - EP US); **F04D 19/002** (2013.01 - US); **F04D 29/326** (2013.01 - US); **F04D 29/668** (2013.01 - US)

Citation (search report)

- [XYI] EP 0077039 A2 19830420 - NISSAN MOTOR [JP]
- [Y] EP 2322765 A2 20110518 - ROLLS ROYCE PLC [GB]
- [Y] US 2011030336 A1 20110210 - KUEHN MARK S [US], et al
- [Y] GB 2463036 A 20100303 - ROLLS ROYCE PLC [GB]

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 2896794 A1 20150722; **EP 2896794 B1 20170315**; GB 201400756 D0 20140305; US 2015198174 A1 20150716

DOCDB simple family (application)
EP 15150251 A 20150107; GB 201400756 A 20140116; US 201514591432 A 20150107