

Title (en)

A rotor having an annulus filler

Title (de)

Rotor mit Plattformen zwischen den Schaufeln

Title (fr)

Rotor doté de plateformes inter-aubes

Publication

EP 2503102 A2 20120926 (EN)

Application

EP 12156804 A 20120224

Priority

GB 201104994 A 20110325

Abstract (en)

An annulus filler for installation between blades, such as fan blades, of the rotor of a gas turbine engine comprises a channel 13 which accommodates a post 6 defined between blade slots 4 of the disc 2. A chocking surface 24 of the annulus filler 12 contacts regions of a contact surface 26 of the post 6 to chock the head 10 of the post 6 within the channel 30. The annulus filler 12 is thus supported along the axial length of the post 6, enabling it to withstand circumferential forces generated on rotation of the disc 2.

IPC 8 full level

F01D 11/00 (2006.01)

CPC (source: EP US)

F01D 11/008 (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US)

Citation (applicant)

US 6832896 B1 20041221 - GOGA JEAN-LUC [FR], et al

Cited by

US10612558B2; EP2463482A3; FR3029563A1; EP2837773A1; GB2541114A; GB2541114B; EP3121386A1; FR3048997A1; CN108884720A; RU2728547C2; US11021973B2; US10458425B2; WO2017162975A1; US9752449B2; US10253640B2; US9976426B2; US10519784B2; US9739162B2; US12012857B2; EP3433469B1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2503102 A2 20120926; **EP 2503102 A3 20170809**; GB 201104994 D0 20110511; US 2012244003 A1 20120927

DOCDB simple family (application)

EP 12156804 A 20120224; GB 201104994 A 20110325; US 201213404445 A 20120224