

Title (en)  
BLADE CLUSTER WITH CIRCUMFERENTIAL RETENTION DEVICE

Title (de)  
SCHAUFELCLUSTER MIT UMFANGSSICHERUNG

Title (fr)  
GROUPE D'AUBES AVEC UN DISPOSITIF DE RETENUE CIRCONFÉRENTIEL

Publication  
**EP 3170986 B1 20181212 (DE)**

Application  
**EP 16195409 A 20161025**

Priority  
DE 102015222834 A 20151119

Abstract (en)  
[origin: US2017145842A1] The invention relates to a guide vane segment for an aircraft gas turbine, comprising at least a radially outer shroud and a radially inner shroud, which extend along a respective circular arc and together form a ring segment, wherein, in the radial direction, between the outer shroud and the inner shroud, a plurality of guide vanes are arranged next to one another in the peripheral direction (UR), the vanes being materially joined with the inner shroud and the outer shroud, in particular joined in one piece. At least two securing ribs are arranged next to one another are formed on the trailing end face for at least one guide vane, wherein an intermediate space delimited by the two securing ribs in the peripheral direction (UR) is formed, this space tapering from radially outside to radially inside.

IPC 8 full level  
**F01D 9/04** (2006.01); **F01D 5/18** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)  
**F01D 9/041** (2013.01 - EP US); **F01D 9/042** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F01D 5/18** (2013.01 - EP US); **F05D 2220/323** (2013.01 - EP US); **F05D 2230/21** (2013.01 - EP US); **F05D 2240/24** (2013.01 - US); **F05D 2260/30** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**EP 3170986 A1 20170524**; **EP 3170986 B1 20181212**; DE 102015222834 A1 20170524; ES 2704288 T3 20190315; US 10428668 B2 20191001; US 2017145842 A1 20170525

DOCDB simple family (application)  
**EP 16195409 A 20161025**; DE 102015222834 A 20151119; ES 16195409 T 20161025; US 201615350147 A 20161114