

Title (en)

TURBINE VANE WITH A THROTTLING ELEMENT

Title (de)

TURBINENLEITSCHAUFEL MIT EINEM DROSSELELEMENT

Title (fr)

AUBE DIRECTRICE DE TURBINE DOTÉE D'UN ÉLÉMENT D'ÉTRANGLEMENT

Publication

EP 2788583 A1 20141015 (DE)

Application

EP 12808764 A 20121212

Priority

- EP 12155394 A 20120214
- EP 2012075256 W 20121212
- EP 12808764 A 20121212

Abstract (en)

[origin: EP2628900A1] The turbine guide vane (10) has an aerodynamically bent vane airfoil (14) which has a channel system (28) equipped with a throttle element (32) for the removal of coolant. The channel system has channel sections (26) for the guidance of coolant. A partial coolant flow flowing in the interior and a partial coolant flow guided out of the turbine guide vane are adjustable.

IPC 8 full level

F01D 5/18 (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP RU US)

F01D 5/187 (2013.01 - EP US); **F01D 5/188** (2013.01 - US); **F01D 9/02** (2013.01 - EP US); **F01D 5/18** (2013.01 - RU); **F05D 2250/185** (2013.01 - EP US); **F05D 2260/221** (2013.01 - US)

Citation (search report)

See references of WO 2013120560A1

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 2628900 A1 20130821; CN 104126054 A 20141029; CN 104126054 B 20160203; EP 2788583 A1 20141015; EP 2788583 B1 20160302; IN 5979DEN2014 A 20150626; JP 2015507129 A 20150305; JP 6005764 B2 20161012; RU 2014136803 A 20160410; RU 2615091 C2 20170403; US 2014377058 A1 20141225; US 9856738 B2 20180102; WO 2013120560 A1 20130822

DOCDB simple family (application)

EP 12155394 A 20120214; CN 201280069754 A 20121212; EP 12808764 A 20121212; EP 2012075256 W 20121212; IN 5979DEN2014 A 20140716; JP 2014555956 A 20121212; RU 2014136803 A 20121212; US 201214376428 A 20121212