

Title (en)
COMPRESSOR APPARATUS

Title (de)
VERDICHTERVORRICHTUNG

Title (fr)
DISPOSITIF DE COMPRESSEUR

Publication
EP 3163028 A1 20170503 (EN)

Application
EP 16195207 A 20161024

Priority
US 201514923005 A 20151026

Abstract (en)
A compressor apparatus includes: an inner flowpath surface 450; an outer flowpath surface 472; an array of stator airfoils 452 extending between the inner and outer flowpath surfaces 450, 472; and an array of airfoil-shaped splitter vanes 552 extending from at least one of the inner and outer flowpath surfaces, the splitter vanes 552 alternating with the stator airfoils 452, wherein at least one of a chord dimension of the splitter vanes 552 at the roots thereof and a span dimension of the splitter vanes 552 is less than a corresponding dimension of the stator airfoils 452.

IPC 8 full level
F01D 9/04 (2006.01); **F01D 5/14** (2006.01)

CPC (source: CN EP US)
F01D 5/146 (2013.01 - EP US); **F01D 9/00** (2013.01 - CN); **F01D 9/041** (2013.01 - EP US); **F01D 25/00** (2013.01 - CN); **F04D 19/00** (2013.01 - US); **F04D 29/324** (2013.01 - EP US); **F04D 29/544** (2013.01 - US); **F01D 5/143** (2013.01 - EP US)

Citation (search report)

- [XA] US 3039736 A 19620619 - LEMUEL PON
- [XA] US 2839239 A 19580617 - STALKER EDWARD A
- [XA] EP 2746534 A1 20140625 - MTU AERO ENGINES AG [DE]
- [XA] EP 1927723 A1 20080604 - DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]
- [XA] DE 611328 C 19350326 - PAUL KAEHLER
- [XA] EP 2799721 A1 20141105 - TECHSPACE AERO SA [BE]
- [XA] FR 2939852 A1 20100618 - SNECMA [FR]
- [XA] JP 2001027103 A 20010130 - ISHIKAWAJIMA HARIMA HEAVY IND

Cited by
US11480063B1; EP3608505A1; CN110821572A; US11959393B2; US11125089B2; EP3425164A1; EP3957824A1; US11136991B2; US11549518B2; EP3358138B1

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 3163028 A1 20170503; BR 102016024900 A2 20170718; CA 2945103 A1 20170426; CN 107035435 A 20170811; CN 107035435 B 20190531; JP 2017082784 A 20170518; US 2017114796 A1 20170427

DOCDB simple family (application)
EP 16195207 A 20161024; BR 102016024900 A 20161025; CA 2945103 A 20161013; CN 201610945762 A 20161026; JP 2016204001 A 20161018; US 201514923005 A 20151026