

Title (en)

TURBINE RING ASSEMBLY

Title (de)

TURBINENRINGANORDNUNG

Title (fr)

ENSEMble D'ANNEAU DE TURBINE

Publication

**EP 3596314 A1 20200122 (FR)**

Application

**EP 18714566 A 20180313**

Priority

- FR 1752148 A 20170316
- FR 2018050587 W 20180313

Abstract (en)

[origin: WO2018172653A1] A turbine ring assembly comprising ring sections (10) forming a turbine ring (1) and a ring support structure (3), each ring section (10) having, along a section plane defined by an axial direction (DA) and a radial direction (DR) of the ring (1), a part forming an annular base (12) with, in the radial direction (DR), an inner face (12a) and an outer face (12b), from which a first and a second fastening lug (14, 16) project, said structure (3) comprising a central shroud (31), from which a first and a second radial clamp (32, 36) project, between which the fastening lugs (14, 16) of each ring section (10) are maintained. It comprises a first and a second annular flange (33, 34) detachably fixed to the first radial clamp (32), the second annular flange (34) comprising a support shroud (346) projecting upstream in the axial direction (DA) and having a radial support (348) in contact with the central shroud (31).

IPC 8 full level

**F01D 11/00** (2006.01); **F01D 11/08** (2006.01); **F01D 25/24** (2006.01); **F04D 29/04** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

**F01D 11/005** (2013.01 - EP); **F01D 11/08** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP); **F23R 3/60** (2013.01 - EP);  
**F05D 2240/11** (2013.01 - EP); **F05D 2240/54** (2013.01 - US); **F05D 2300/6033** (2013.01 - EP US)

Citation (search report)

See references of WO 2018172653A1

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)

**FR 3064022 A1 20180921; FR 3064022 B1 20190913**; CN 110506149 A 20191126; CN 110506149 B 20220405; EP 3596314 A1 20200122;  
EP 3596314 B1 20210428; US 11021988 B2 20210601; US 2021054757 A1 20210225; WO 2018172653 A1 20180927

DOCDB simple family (application)

**FR 1752148 A 20170316**; CN 201880024487 A 20180313; EP 18714566 A 20180313; FR 2018050587 W 20180313;  
US 201816494008 A 20180313