

Title (en)

RADIAL TURBINE HAVING A CLEANING DEVICE FOR CLEANING A GUIDE VANE RING AND METHODS FOR MOUNTING AND DEMOUNTING THE CLEANING DEVICE

Title (de)

RADIALTURBINE MIT EINER REINIGUNGSVORRICHTUNG ZUR REINIGUNG EINES LEITSCHAUFELRINGS UND VERFAHREN ZUR MONTAGE UND DEMONTAGE DER REINIGUNGSVORRICHTUNG

Title (fr)

TURBINE RADIALE POURVUE D'UN DISPOSITIF DE NETTOYAGE DESTINÉ À NETTOYER UNE BAGUE D'AUBAGE DIRECTEUR ET PROCÉDÉS DE MONTAGE ET DE DÉMONTAGE DU DISPOSITIF DE NETTOYAGE

Publication

**EP 4229278 A1 20230823 (DE)**

Application

**EP 21782964 A 20210923**

Priority

- EP 20201552 A 20201013
- EP 2021076216 W 20210923

Abstract (en)

[origin: WO2022078727A1] The invention relates to a radial turbine (20). The radial turbine (20) comprises: - a turbine housing (21) having a radial gas inflow channel (22); - a nozzle ring (23), which is disposed in the radial gas inflow channel (22); and - an annular cleaning device (10) for cleaning the nozzle ring (23). The annular cleaning device (10) is connected to a cleaning-agent feed (13) by means of an axially insertion-connectable supply line (12) such that, after or during the demounting of the nozzle ring (23), the annular cleaning device (10) can be removed from the turbine housing (21) in the axial direction. The invention also relates to a method for mounting a cleaning device for cleaning a nozzle ring of a radial turbine and to a method for demounting the cleaning device.

IPC 8 full level

**F01D 25/00** (2006.01); **B08B 3/00** (2006.01); **B08B 9/00** (2006.01); **F01D 5/04** (2006.01)

CPC (source: EP KR US)

**F01D 5/043** (2013.01 - EP KR); **F01D 9/045** (2013.01 - US); **F01D 25/002** (2013.01 - EP KR US); **F05D 2220/40** (2013.01 - EP KR US); **F05D 2230/72** (2013.01 - EP KR US); **F05D 2240/128** (2013.01 - US); **F05D 2260/607** (2013.01 - EP KR)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 3985230 A1 20220420**; CN 116348660 A 20230627; EP 4229278 A1 20230823; JP 2023544831 A 20231025; KR 20230084272 A 20230612; US 2023383674 A1 20231130; WO 2022078727 A1 20220421

DOCDB simple family (application)

**EP 20201552 A 20201013**; CN 202180069444 A 20210923; EP 2021076216 W 20210923; EP 21782964 A 20210923; JP 2023521502 A 20210923; KR 20237015639 A 20210923; US 202118031532 A 20210923