

Title (en)

ROTOR COMPRISING A ROTOR COMPONENT ARRANGED BETWEEN TWO ROTOR DISKS

Title (de)

ROTOR MIT ZWISCHEN ZWEI ROTORSCHLEIBEN ANGEORDNETEM ROTORBAUTEIL

Title (fr)

ROTOR POURVU D'UNE PIÈCE DISPOSÉE ENTRE DEUX DISQUES DE ROTOR

Publication

EP 3788236 B1 20230621 (DE)

Application

EP 19752935 A 20190724

Priority

- US 201862713572 P 20180802
- EP 2019069866 W 20190724

Abstract (en)

[origin: WO2020025406A1] The invention relates to a rotor of a gas turbine, comprising two adjacent rotor disks (01, 06) having a plurality of blade-holding grooves (02) for receiving rotor blades, distributed around the periphery thereof, and comprising an axially extending peripheral ring projection (03, 08) radially beneath the blade-holding grooves (02). A peripheral rotor component (11) is fixed to the ring projections (03, 08), between the rotor disks (01,06). In order to protect the periphery, the rotor disk (01) or the rotor component (11) comprises at least two recesses (14) arranged on the periphery in a distributed manner, in each of which engaging shoulders (15) of the rotor component (11) or the rotor disk (01) engage.

IPC 8 full level

F01D 5/30 (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP KR US)

F01D 5/066 (2013.01 - KR US); **F01D 5/3015** (2013.01 - EP KR US); **F01D 11/001** (2013.01 - EP KR); **F01D 5/066** (2013.01 - EP); **F01D 5/3007** (2013.01 - US); **F01D 11/001** (2013.01 - US); **F01D 11/006** (2013.01 - US); **F05D 2220/32** (2013.01 - KR US); **F05D 2260/36** (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

DOCDB simple family (publication)

WO 2020025406 A1 20200206; CN 112534119 A 20210319; CN 112534119 B 20230414; EP 3788236 A1 20210310; EP 3788236 B1 20230621; JP 2021533304 A 20211202; JP 7092938 B2 20220628; KR 102537955 B1 20230531; KR 20210031984 A 20210323; US 11339662 B2 20220524; US 2021310359 A1 20211007

DOCDB simple family (application)

EP 2019069866 W 20190724; CN 201980050916 A 20190724; EP 19752935 A 20190724; JP 2021505690 A 20190724; KR 20217005572 A 20190724; US 201917261044 A 20190724