

Title (en)
TURBOMACHINE ROTOR ROTATING SYSTEM AND TURBOMACHINE ROTOR

Title (de)
TURBOMASCHINENROTORDREHSYSTEM UND TURBOMASCHINENROTOR

Title (fr)
SYSTÈME D'ENTRAÎNEMENT EN ROTATION D'UN ROTOR DE TURBOMACHINE ET ROTOR DE TURBOMACHINE

Publication
EP 3642457 B1 20230419 (FR)

Application
EP 18737686 A 20180619

Priority
• FR 1755598 A 20170620
• FR 2018051463 W 20180619

Abstract (en)
[origin: WO2018234681A1] The invention relates to a system for rotating a turbomachine rotor relative to a stator casing, the rotor comprising an annular row of blades. This rotating system comprises: a supporting arm (100) comprising a first end (101a) arranged for gripping a leading edge of a first blade of the annular row and a second end (101b) arranged for gripping a trailing edge of the first blade; an electric motor (110) comprising a shaft and a body (111) attached to the supporting arm (110); and a wheel (120) coupled to the shaft of the motor (110) and provided with a rolling strip (121), the wheel, furthermore, being arranged so that the rolling strip (121) can come into contact with an annular wall of the stator casing when the supporting arm (100) is mounted on the first blade.

IPC 8 full level
F01D 25/36 (2006.01); **F04D 27/00** (2006.01); **F04D 29/32** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP RU US)
F01D 25/36 (2013.01 - EP RU US); **F04D 27/001** (2013.01 - EP); **F04D 29/321** (2013.01 - EP RU US); **F04D 29/644** (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US); **F05D 2260/83** (2013.01 - EP)

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 2018234681 A1 20181227; BR 112019027290 A2 20200721; CA 3067647 A1 20181227; CN 110785541 A 20200211; CN 110785541 B 20220617; EP 3642457 A1 20200429; EP 3642457 B1 20230419; FR 3067763 A1 20181221; FR 3067763 B1 20191018; RU 2020101910 A 20210720; RU 2020101910 A3 20211217; RU 2767258 C2 20220317; US 11215086 B2 20220104; US 2020191019 A1 20200618

DOCDB simple family (application)
FR 2018051463 W 20180619; BR 112019027290 A 20180619; CA 3067647 A 20180619; CN 201880041915 A 20180619; EP 18737686 A 20180619; FR 1755598 A 20170620; RU 2020101910 A 20180619; US 201816623636 A 20180619