

Title (en)

TURBOMACHINE ROTARY ASSEMBLY COMPRISING AN ANNULAR CLAMPING PART

Title (de)

TURBOMASCHINENROTORANORDNUNG MIT EINEM RINGFÖRMIGEN KLEMMTEIL

Title (fr)

ENSEMBLE ROTATIF POUR TURBOMACHINE COMPRENANT UNE PIECE ANNULAIRE DE SERRAGE

Publication

**EP 4121637 A1 20230125 (FR)**

Application

**EP 21716504 A 20210319**

Priority

- FR 2002695 A 20200319
- FR 2021050461 W 20210319

Abstract (en)

[origin: WO2021186135A1] Disclosed is a turbomachine rotary assembly comprising a rotor having at least two consecutive rotor stages (20a, 20b) provided with a plurality of movable blades and, an annular rotor ferrule (30) connecting the two consecutive rotor stages (20a, 20b), a stator having: at least one stator stage (10) provided between the two consecutive rotor stages (20a, 20b) comprising a plurality of fixed blades (13), a turbomachine stator blade root (11), an annular clamping part (50) and an abradable annular support (40), the root (11) extending radially and being axially clamped between the annular abradable support (40) and the annular clamping part (50), and wherein a space (12) separates a radially interior end of the root (11) and the annular abradable support (40). Turbojet (100) comprising a rotary assembly as described above.

IPC 8 full level

**F01D 11/00** (2006.01); **F01D 9/04** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)

**F01D 9/042** (2013.01 - US); **F01D 11/001** (2013.01 - EP); **F01D 11/02** (2013.01 - US); **F01D 11/122** (2013.01 - EP US); **F01D 9/041** (2013.01 - EP); **F05D 2220/32** (2013.01 - US); **F05D 2240/11** (2013.01 - US); **F05D 2240/12** (2013.01 - US); **F05D 2240/24** (2013.01 - US); **F05D 2240/55** (2013.01 - US); **Y02T 50/60** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2021186135 A1 20210923**; CN 115298415 A 20221104; EP 4121637 A1 20230125; FR 3108358 A1 20210924; FR 3108358 B1 20240322; US 11982188 B2 20240514; US 2023125862 A1 20230427

DOCDB simple family (application)

**FR 2021050461 W 20210319**; CN 202180020849 A 20210319; EP 21716504 A 20210319; FR 2002695 A 20200319; US 202117906248 A 20210319