

Title (en)

DISTRIBUTOR FOR A TURBOMACHINE STATOR COMPRISING A CONTINUOUS FREE SEALING RING

Title (de)

VERTEILER FÜR EINEN STATOR EINER TURBOMASCHINE MIT EINEM DURCHGEHENDEN FREIEN DICHTUNGSRING

Title (fr)

DISTRIBUTEUR DE STATOR DE TURBOMACHINE COMPRENANT UN ANNEAU D'ÉTANCHÉITÉ CONTINU ET LIBRE

Publication

EP 4097334 B1 20240110 (FR)

Application

EP 21716515 A 20210322

Priority

- FR 2002923 A 20200325
- FR 2021050473 W 20210322

Abstract (en)

[origin: WO2021191540A1] A distributor made up of sectors (15) of stator vanes (5) connected, on the outside, to a stator comprises an inner platform divided into an outer portion formed of sectors and joined by radial slide connections to a continuous inner ring-shaped portion (18) over a circumference, which bears an abradable seal (17). Springs (27) ensure the radial positioning of the crown (18) and its concentricity to the rest of the machine. The diameter of the crown (18) is essentially determined by the temperature of the gases that move past it. The separation of the radial thermal deformations is ensured by slides (35) made up of sliding sleeves (19, 20). It is possible for better sealing to be obtained.

IPC 8 full level

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

CPC (source: EP US)

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