Title (en)

INTERNAL FERRULE OF AN AXIAL TURBINE-ENGINE COMPRESSOR

Title (de)

STATOR-INNENRING EINES KOMPRESSORS EINES AXIALEN TURBOTRIEBWERKS

Title (fr)

VIROLE INTERNE DE COMPRESSEUR DE TURBOMACHINE AXIALE

Publication

EP 3351736 B1 20200129 (FR)

Application

EP 18159641 A 20151022

Priority

- BE 201400820 A 20141118
- EP 15190957 A 20151022

Abstract (en)

[origin: CA2909256A1] A segmented internal shroud of a low-pressure compressor for an axial-flow turbomachine has an axial tubular wall, and a row of apertures formed in the axial wall. Each aperture has opposing edges situated to either side of a stator blade positioned in the aperture for the purpose of its attachment. The axial wall includes a radial flange which passes through the apertures in the circumferential direction of the shroud, so as to form a mechanical link between the opposing edges of the apertures. This mechanical seal permits the opposing edges to be joined together through each aperture, which may help improve the rigidity and the sealing. The shroud exhibits an E-shaped profile forming a sandwich structure with the annular sealing ribs of the rotor, or sealing lips. A method for the assembly of stator blades includes positioning the blade in radial abutment against the transverse radial flange.

IPC 8 full level

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

CPC (source: EP RU US)

F01D 9/041 (2013.01 - RU US); **F01D 9/042** (2013.01 - EP RU US); **F01D 9/06** (2013.01 - US); **F01D 11/001** (2013.01 - EP RU US); **F01D 11/122** (2013.01 - RU US); **F04D 29/164** (2013.01 - EP); F05D 2220/30 (2013.01 - US); F05D 2240/11 (2013.01 - US); F05D 2240/12 (2013.01 - US); F05D 2300/40 (2013.01 - EP US); F05D 2300/603 (2013.01 - US)

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