

Title (en)

Stator of an axial turbomachine and corresponding turbomachine

Title (de)

Stator einer axialen Turbomaschine und zugehörige Turbomaschine

Title (fr)

Stator de turbomachine axiale et turbomachine associée

Publication

EP 2937517 B1 20190306 (FR)

Application

EP 14165800 A 20140424

Priority

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Abstract (en)

[origin: CA2888531A1] A stator of a low-pressure compressor of an axial-flow has an annular row of stator blades including radial extremities which pass through the openings of an internal shroud, and which include radial retaining slots having tapers formed by hooks. The stator also includes a ring for retaining the blades on the internal shroud. The ring is curved circumferentially in order to be inserted into a plurality of retaining slots and exhibits the form of a strip having an arched transversal profile which is in abutment against the tapers, in such a way as to maintain the ring in the interior of the slots. The shroud includes an annular layer of abradable material made from silicone, which encloses the ring in such a way as to block the curvature of the arched profile of the ring in order to prevent it from disengaging from the tapers of the slots.

IPC 8 full level

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CPC (source: EP RU US)

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