

Title (en)
STATOR BLADE SEGMENT FOR A TURBO ENGINE

Title (de)
LEITSCHAUFELSEGMENT FÜR EINE TURBOMASCHINE

Title (fr)
SEGMENT D'AUBE STATORIQUE POUR UNE TURBOMACHINE

Publication
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Application
EP 17184855 A 20170804

Priority
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Abstract (en)
[origin: US2019040754A1] A stator vane segment for a turbomachine is provided, in particular for a gas turbine, in particular for a turbine stage of a gas turbine. The stator vane segment has at least one stator vane and at least one shroud, in particular an outer shroud, having at least one first profile disposed on the shroud and adapted for attachment of the stator vane segment to the turbomachine casing, the profile extending in the circumferential direction at least partially over a circumferential length of the stator vane segment along the shroud of the stator vane segment and having at least one functional surface which extends at least partially in the axial direction and in the circumferential direction, at least one functional surface of at least one profile having at least two different curvatures in the circumferential direction in at least one radial plane perpendicular to an axis of rotation of the turbomachine in at least one temperature range below a defined operating temperature of the turbomachine.

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