

Title (en)

Stator of an axial turbomachine and corresponding turbomachine

Title (de)

Stator einer axialen Strömungsmaschine und zugehörige Strömungsmaschine

Title (fr)

Stator de turbomachine axiale et turbomachine associée

Publication

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Application

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Priority

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Abstract (en)

[origin: CN104791303A] The invention relates to a low voltage compressor stator or an axial flow turbine; the stator comprises an approximately pipe wall (30) made of composite material, a plurality of annular stator blades (26), and a plurality of round belts (40) or metal bars (40) arranged between the blades (26) and facing the inner side of the wall (30); the blade comprises platforms (36) covering the contact belts (40) so as to keep the belts; the platform comprises a reduced thickness (54) zone and a shoulder (56) formed in an axial direction and used for blocking an annular step of the stop belt (40) in a radial direction; each belt (40) comprises an inner surface (50) and an outer surface (44) oriented in a radial direction; the inner surface (50) of each belt receives a wear-resistant material (42) round layer matched with rotor blades (24) of the turbine through grinding; the a stator blade fixing device can clamp so as to deform the belts (40).

IPC 8 full level

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