

Title (en)

Ring-shaped flow channel section for a turbo engine

Title (de)

RINGFÖRMIGER STRÖMUNGSKANALABSCHNITT FÜR EINE TURBOMASCHINE

Title (fr)

Section de canal d'écoulement annulaire pour une turbomachine

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Application

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Abstract (en)

[origin: WO2010149528A1] The invention relates to an annular flow channel section (12) for a turbomachine, comprising a guide vane ring having a number of guide vanes (10) which are arranged next to each other in the circumferential direction, each guide vane comprising a vane base, a platform (16) and an airfoil (14) that projects into the flow channel (26) in a radiating pattern. According to the invention, the flow channel (26) is delimited on the platform side by shielding elements (22), each of which being disposed between two immediately adjacent airfoils (14), wherein the shielding elements (22) are arranged on the platforms (16) for creating a particularly space-saving flow channel section (12) while creating a gap, and impingement-cooling openings (24) are provided in the platform (16).

IPC 8 full level

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