

Title (en)
TURBINE VANE SYSTEM

Title (de)
ANORDNUNG VON TURBINENLEITSCHAUFELN

Title (fr)
DISPOSITIF D'AUBES DIRECTRICES DE TURBINE

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Application
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Abstract (en)
[origin: EP1180578A1] The invention relates to a turbine vane (1), especially a turbine vane of the last stages, respectively comprising a lower area (2) which is radially and externally arranged, an upper area (3) which is radially and internally arranged, and a radial cooling air channel (4) extending between the upper area and the lower area. Cooling air (23) can be introduced into said channel via an inlet (36) in the lower area, and can be at least partially discharged via an outlet (35) in the upper area. The cooling air channel comprises a radial inner channel through which the cooling air flows from the lower area to the upper area, and an outer channel (9) which is adjacent to the inner channel and which at least partially surrounds the inner channel on the circumferential side thereof. Said outer channel communicates with the inner channel and comprises an outlet (12) which is arranged in the lower area. Part of the cooling air (41) flows back in the direction of the lower area via the outer channel and emerges via the outlet.

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