

Title (en)

WHEEL BLADE FOR A TURBOMACHINE, COMPRISING A WINGLET AT ITS TIP AND AT THE LEADING EDGE

Title (de)

RADSCHAUFEL FÜR EINE TURBOMASCHINE MIT EINEM WINGLET AN DER SPITZE UND AN DER LEITKANTE

Title (fr)

PALE DE ROUET POUR TURBOMACHINE, COMPRENANT UNE AILERETTE A SON SOMMET ET AU BORD D'ATTAQUE

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Application

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Priority

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Abstract (en)

[origin: WO2018138438A1] The invention relates to a wheel blade (40) for a turbomachine compressor. The blade (40) comprises a body (41) extending between the root (P) of the blade in the direction of the height (Y-Y) of the blade. The body (41) extends from a leading-edge (BA) to a trailing edge (BF) in a direction of the camber line (S-S) of the blade. The blade (40) comprises a winglet (50) located in the extension of the body (41) in the direction of the height (Y-Y). The winglet (50) is located at the tip (S) of the blade and at the leading edge (BA) of the blade. The body (41) has a curvature oriented in a first direction of rotation with respect to the direction of the camber line (S-S), the winglet (50) having a curvature in a second direction of rotation counter to the first direction of rotation.

IPC 8 full level

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Citation (search report)

See references of WO 2018138438A1

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