

Title (en)
TURBOMACHINE VANE HAVING AN AIRFOIL DESIGNED TO PROVIDE IMPROVED AERODYNAMIC AND MECHANICAL PROPERTIES

Title (de)
TURBOMASCHINENSCHAUFEL MIT EINER FLÄCHE FÜR VERBESSERTE AERODYNAMISCHE UND MECHANISCHE EIGENSCHAFTEN

Title (fr)
AUBE DE TURBOMACHINE AYANT UN PROFIL CONFIGURÉ DE MANIÈRE À OBTENIR DES PROPRIÉTÉS AÉRODYNAMIQUES ET MÉCANIQUES AMÉLIORÉES

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Abstract (en)
[origin: WO2014009628A1] The invention relates to a turbomachine vane comprising a plurality of vane sections stacked along a radial axis (Z-Z), each vane section extending along a longitudinal axis (X-X) between a leading edge and a trailing edge, and along a tangential axis (Y-Y) between an active surface and a passive surface, said vane sections being distributed according to longitudinal Xg and tangential distribution laws Yg defining the positioning of the respective centres of gravity thereof in relation to said longitudinal (X-X) and tangential (Y-Y) axes according to the height of the vane extending from the foot of the vane to the top thereof, characterised in that each of said longitudinal Xg and tangential Xg distribution laws involves a change in direction of the slope at between 90% and 100% of the height of the vane.

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