

Title (en)
TURBOMACHINE FAN FLOW-STRAIGHTENER VANE, TURBOMACHINE ASSEMBLY COMPRISING SUCH A VANE, AND TURBOMACHINE EQUIPPED WITH SAID VANE OR WITH SAID ASSEMBLY

Title (de)
TURBOMASCHINENGEBLÄSE-STRÖMUNGSGLEICHRICHTERSCHAUFEL, TURBOMASCHINENANORDNUNG MIT SOLCH EINER SCHAUFEL UND MIT BESAGTER SCHAUFEL ODER BESAGTER ANORDNUNG AUSGESTATTETE TURBOMASCHINE

Title (fr)
AUBE DE REDRESSEUR DE SOUFFLANTE DE TURBOMACHINE, ENSEMBLE DE TURBOMACHINE COMPRENANT UNE TELLE AUBE ET TURBOMACHINE EQUIPEE DE LADITE AUBE OU DUDIT ENSEMBLE

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Abstract (en)
[origin: WO2019043330A1] The invention relates to a flow-straightener vane (1) of a bypass turbomachine (100) of longitudinal axis (X), the vane (1) comprising a plurality of vane sections (2) stacked radially with respect to the axis (X) along a stacking line (L) between a root end (3) and a tip end (4), each vane section (2) comprising a pressure-face surface (7) and a suction-face surface (8) extending axially between an upstream leading edge (5) and a downstream trailing edge (6) and being tangentially opposed. According to the invention, between the leading (5) and trailing (6) edges of each vane section (2) there is formed a profile chord (CA) the length of which is substantially constant between the tip end (4) and the root end (3), and the stacking line (L) exhibits a curvature in a plane passing more or less through the axis (X) and through the stacking line (L), situated in the vicinity of the tip end (4) and oriented from downstream towards upstream.

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Citation (examination)
US 2013224040 A1 20130829 - STRACCIA JOSEPH C [US]

Citation (opposition)
Opponent : Raytheon Technologies Corporation
• US 6554564 B1 20030429 - LORD WESLEY K [US]
• US 6195983 B1 20010306 - WADIA ASPI R [US], et al
• EP 2628919 A2 20130821 - ROLLS ROYCE PLC [GB]

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