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

(54) 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

(57) Abstract:

(EN): 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.

(FR): L'invention concerne un aube (1) redresseur de turbomachine (100) double flux d'axe longitudinal (X), l'aube (1) comprenant une pluralité de section d'aube (2) empilées radialement vis-à-vis de l'axe (X) le long d'une ligne d'empilement (L) entre une extrémité de pied (3) et une extrémité de tête (4), chaque section d'aube (2) comprenant une surface intrados (7) et une surface extrados (8) s'étendant axialement entre un bord d'attaque (5) amont et un bord de fuite (6) aval et étant opposées tangentiellement. Selon l'invention, entre les bords d'attaque (5) et de fuite (6) de chaque section d'aube (2) est formée une corde de profil (CA) de longueur sensiblement constante entre l'extrémité de tête (4) et l'extrémité de pied (3), et en ce que la ligne d'empilement (L) présente une courbure, dans un plan passant sensiblement par l'axe (X) et par la ligne d'empilement (L), située au voisinage de l'extrémité de tête (4) et orientée de l'aval vers l'amont.

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