

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

Publication
EP 3676480 A1 20200708 (FR)

Application
EP 18769761 A 20180828

Priority
• FR 1757896 A 20170828
• FR 2018052114 W 20180828

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.

IPC 8 full level
F01D 5/14 (2006.01); **F01D 9/04** (2006.01); **F04D 29/54** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F01D 5/141 (2013.01 - EP US); **F01D 9/041** (2013.01 - EP US); **F04D 29/544** (2013.01 - EP); **F04D 29/663** (2013.01 - EP); **F05D 2220/323** (2013.01 - US); **F05D 2240/125** (2013.01 - EP US); **F05D 2250/38** (2013.01 - EP)

Citation (search report)
See references of WO 2019043330A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3070448 A1 20190301; **FR 3070448 B1 20190906**; CN 111108262 A 20200505; CN 111108262 B 20220923; EP 3676480 A1 20200708; EP 3676480 B1 20221005; US 11377958 B2 20220705; US 2020355085 A1 20201112; WO 2019043330 A1 20190307

DOCDB simple family (application)
FR 1757896 A 20170828; CN 201880059958 A 20180828; EP 18769761 A 20180828; FR 2018052114 W 20180828; US 201816642150 A 20180828