

Title (en)

Fan blade

Title (de)

Gebläseschaufel

Title (fr)

Aube de soufflante

Publication

EP 2573322 A3 20150520 (EN)

Application

EP 12185422 A 20120921

Priority

US 201113241756 A 20110923

Abstract (en)

[origin: EP2573322A2] A fan blade (20) has a main body (28) extending between a leading edge (21) and a trailing edge (22). Channels (30) are formed into the main body (28) from at least one open side. A plurality of ribs (28) extend across the main body (28) intermediate the channels (30). The fan blade (20) has a dovetail (24) and an airfoil (18) extending radially outwardly from the dovetail (24). The ribs (26) have a thickness defined as measured generally from the leading edge (21) toward the trailing edge (22). A thickness of at least one of the ribs (26) is generally thicker adjacent radially inner ends (42) and becomes thinner moving in a radially outward direction.

IPC 8 full level

F01D 5/14 (2006.01); **F01D 5/16** (2006.01)

CPC (source: EP US)

F01D 5/147 (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US); **F05D 2250/13** (2013.01 - EP US)

Citation (search report)

- [XP] EP 2500263 A2 20120919 - UNITED TECHNOLOGIES CORP [US]
- [XY] EP 1439281 A2 20040721 - ROLLS ROYCE DEUTSCHLAND [DE]
- [XY] EP 0731874 A1 19960918 - UNITED TECHNOLOGIES CORP [US]
- [XY] EP 0924380 A2 19990623 - GEN ELECTRIC [US]
- [XY] EP 0926312 A2 19990630 - GEN ELECTRIC [US]
- [XY] EP 1152123 A2 20011107 - GEN ELECTRIC [US]
- [XYI] US 6033186 A 20000307 - SCHILLING JAN C [US], et al
- [Y] EP 2014386 A1 20090114 - ROLLS ROYCE PLC [GB]
- [Y] EP 2239083 A1 20101013 - UNITED TECHNOLOGIES CORP [US]

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)

EP 2573322 A2 20130327; EP 2573322 A3 20150520; EP 2573322 B1 20200429; US 2013078103 A1 20130328

DOCDB simple family (application)

EP 12185422 A 20120921; US 201113241756 A 20110923