

Title (en)

BLADE WITH DOUBLE AIRFOILS, CORRESPONDING BLADED ROTOR AND TURBOMACHINE

Title (de)

SCHAUFEL MIT DOPPELTEM PROFIL, ZUGEHÖRIGES SCHAUFELRAD UND STRÖMUNGSMASCHINE

Title (fr)

AUBE À PALES DÉDOUBLÉES, ROUE AUBAGÉE ET TURBOMACHINE ASSOCIÉES

Publication

**EP 2078824 B1 20181107 (FR)**

Application

**EP 09150327 A 20090109**

Priority

FR 0850120 A 20080110

Abstract (en)

[origin: EP2078824A1] The blade has vanes (10, 20) comprising respective external surfaces extended between a leading edge (102) and a trailing edge (103) of a turbomachine. The vanes are aligned side by side such that an internal surface of the vane (10) is opposite to an internal face of the vane (20). Strips (30) connect the internal surfaces and are extended until the trailing edge. The thickness of the strips reduces from their center towards leading edges of the strips, such that the leading edges of the strips form a rim. An independent claim is also included for an impeller wheel comprising a set of blades.

IPC 8 full level

**F01D 9/04** (2006.01); **F01D 5/14** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)

**F01D 5/146** (2013.01 - EP US); **F01D 9/041** (2013.01 - EP US); **F04D 29/681** (2013.01 - EP US); **F05B 2240/33** (2013.01 - EP US); **F05D 2240/12** (2013.01 - EP US); **F05D 2240/126** (2013.01 - EP US)

Cited by

FR3081913A1; FR3087828A1

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**EP 2078824 A1 20090715**; **EP 2078824 B1 20181107**; CA 2649397 A1 20090710; CA 2649397 C 20160510; FR 2926322 A1 20090717; FR 2926322 B1 20120803; JP 2009168024 A 20090730; JP 5474358 B2 20140416; RU 2009100686 A 20100720; RU 2492330 C2 20130910; US 2009220348 A1 20090903; US 8021113 B2 20110920

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