

Title (en)

Method for manufacturing vanes built into a shroud ring and stator ring obtained according to the method

Title (de)

Verfahren zur Herstellung eines Leitschaufelkranzes und ein nach diesem Verfahren erhaltener Gleichrichter

Title (fr)

Procédé de fabrication d'aubes intégrées dans une virole et redresseur obtenu selon le procédé

Publication

**EP 2264284 B1 20150128 (FR)**

Application

**EP 09163148 A 20090618**

Priority

EP 09163148 A 20090618

Abstract (en)

[origin: EP2264284A1] The method involves draping a set of folds (7) over a core comprising perforations, and optionally cutting the folds along incisions (8) formed opposite to the perforations. Blades (12) of vanes or vane preforms are inserted via the incisions and perforations, where the vanes are made of composite or metal material. Another set of folds (10) is draped over vane platforms (9) forming a rectifier preform. Resin is injected into a closed mold with the preform, and the resin-impregnated preform is polymerized. Molded piece having shape and dimensions of a rectifier is retrieved from the mold.

IPC 8 full level

**F01D 9/04** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

**F01D 5/282** (2013.01 - EP US); **F01D 9/044** (2013.01 - EP US); **F04D 29/542** (2013.01 - EP US); **F04D 29/644** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **Y10T 29/49323** (2015.01 - EP US)

Cited by

CN112157432A

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**EP 2264284 A1 20101222**; **EP 2264284 B1 20150128**; CA 2705631 A1 20101218; CA 2705631 C 20170228; US 2010322763 A1 20101223; US 8414259 B2 20130409

DOCDB simple family (application)

**EP 09163148 A 20090618**; CA 2705631 A 20100527; US 79127010 A 20100601