

Title (en)
DIFFUSER-RECTIFIER CONNECTION FOR A CENTRIFUGAL COMPRESSOR

Title (de)
DIFFUSOR-GLEICHRICHTER-ANSCHLUSS FÜR EINEN RADIALVERDICHTER

Title (fr)
LIAISON DIFFUSEUR-REDRESSEUR POUR UN COMPRESSEUR CENTRIFUGE

Publication
EP 2526301 B1 20190306 (FR)

Application
EP 11704655 A 20110119

Priority
• FR 1050328 A 20100119
• FR 2011050092 W 20110119

Abstract (en)
[origin: WO2011089355A1] The invention relates to an assembly consisting of a diffuser (1) and an airflow rectifier (2) at the outlet of a centrifugal compressor of a turbine engine, said diffuser being substantially in the shape of a radially positioned double annular disc, and said rectifier being a double toroidal part, arranged as an extension of the double disc of the diffuser and curved such as to divert the airflow in the downstream direction of the engine, characterised in that said rectifier is attached to said diffuser by a connection positioned immediately adjacent to the contact surface of the two parts and is removable using a standard tool, excluding any other supporting means.

IPC 8 full level
F04D 29/44 (2006.01); **F01D 9/02** (2006.01); **F01D 9/04** (2006.01); **F01D 25/24** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP US)
F01D 9/04 (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F04D 29/441** (2013.01 - EP US); **F04D 29/624** (2013.01 - EP US);
F05D 2250/52 (2013.01 - EP 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

DOCDB simple family (publication)
FR 2955364 A1 20110722; FR 2955364 B1 20121116; BR 112012017995 A2 20160503; BR 112012017995 B1 20220830;
CA 2787480 A1 20110728; CA 2787480 C 20171121; CN 102713308 A 20121003; CN 102713308 B 20170718; EP 2526301 A1 20121128;
EP 2526301 B1 20190306; JP 2013517426 A 20130516; JP 5755250 B2 20150729; RU 2012135461 A 20140227; RU 2561790 C2 20150910;
US 2012308374 A1 20121206; US 9291171 B2 20160322; WO 2011089355 A1 20110728

DOCDB simple family (application)
FR 1050328 A 20100119; BR 112012017995 A 20110119; CA 2787480 A 20110119; CN 201180006286 A 20110119; EP 11704655 A 20110119;
FR 2011050092 W 20110119; JP 2012549400 A 20110119; RU 2012135461 A 20110119; US 201113522854 A 20110119