

Title (en)
TURBINE STAGE OF A TURBINE ENGINE

Title (de)
TURBINENSTUFE EINES TURBINENMOTORS

Title (fr)
ETAGE DE TURBINE DANS UNE TURBOMACHINE

Publication
EP 2513428 A1 20121024 (FR)

Application
EP 10809013 A 20101214

Priority
• FR 0906162 A 20091218
• FR 2010052721 W 20101214

Abstract (en)
[origin: WO2011073570A1] The invention relates to a turbine stage for a turbine engine, including an impeller rotating inside a sectorised ring (54) made of a composite material supported by a housing (14), each ring sector including a downstream circumferential edge (52) held radially resting on an annular tab (56) which is radially inserted in an annular groove (50) of the downstream circumferential edge (52) of the ring (54) having axial play when cold, defined to be cancelled out when hot during operation and to allow sealed axial clamping of the annular tab (56) of the housing (14) in the annular groove (50) of the ring sector.

IPC 8 full level
F01D 11/00 (2006.01); **F01D 11/08** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)
F01D 11/005 (2013.01 - EP US); **F01D 11/08** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F05D 2230/642** (2013.01 - EP US); **F05D 2240/11** (2013.01 - EP US); **F05D 2240/55** (2013.01 - EP US); **F05D 2300/10** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Citation (search report)
See references of WO 2011073570A1

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)
WO 2011073570 A1 20110623; BR 112012010257 A2 20160329; CA 2777370 A1 20110623; CN 102667066 A 20120912; EP 2513428 A1 20121024; FR 2954400 A1 20110624; FR 2954400 B1 20120309; RU 2012130351 A 20140127; US 2012237342 A1 20120920

DOCDB simple family (application)
FR 2010052721 W 20101214; BR 112012010257 A 20101214; CA 2777370 A 20101214; CN 201080057924 A 20101214; EP 10809013 A 20101214; FR 0906162 A 20091218; RU 2012130351 A 20101214; US 201013511266 A 20101214