

Title (en)
Turbine diaphragm construction

Title (de)
Turbinenleitapparat

Title (fr)
Structure de diaphragme de turbine

Publication
EP 2642079 A1 20130925 (EN)

Application
EP 12160555 A 20120321

Priority
EP 12160555 A 20120321

Abstract (en)
A turbine diaphragm has radially inner and outer hollow diaphragm rings (22, 24) comprising box structures that include the radially inner and outer platform portions (261, 262) of static blade units (26) as part of their structures. The box structures are strengthened by the incorporation of ribs or struts (28, 30) which extend radially and axially between the walls of the box structures.

IPC 8 full level
F01D 9/04 (2006.01)

CPC (source: EP US)
F01D 9/041 (2013.01 - US); **F01D 9/044** (2013.01 - EP US); **F01D 9/047** (2013.01 - EP US); **F05D 2230/54** (2013.01 - EP US); **Y10T 29/49323** (2015.01 - EP US)

Citation (search report)

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- [X] JP 2004124751 A 20040422 - TOSHIBA CORP
- [X] JP H11303604 A 19991102 - TOSHIBA CORP
- [X] EP 2339120 A1 20110629 - TECHSPACE AERO SA [BE]
- [A] JP H06101411 A 19940412 - TOSHIBA CORP
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CN105612312A

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 2642079 A1 20130925; CN 103321694 A 20130925; JP 2013194742 A 20130930; US 2014322007 A1 20141030

DOCDB simple family (application)
EP 12160555 A 20120321; CN 201310091331 A 20130321; JP 2013058651 A 20130321; US 201313848199 A 20130321