

Title (en)
DEVICE FOR COOLING A MAGNETIC BEARING OF A TURBINE BY MEANS OF A GASEOUS FLUID, TURBINE, AND METHOD FOR COOLING A MAGNETIC BEARING OF A TURBINE BY MEANS OF A GASEOUS FLUID

Title (de)
VORRICHTUNG ZUR KÜHLUNG EINES MAGNETLAGERS EINER TURBINE MIT EINEM GASFÖRMIGEN FLUID, TURBINE SOWIE VERFAHREN ZUM KÜHLEN EINES MAGNETLAGERS EINER TURBINE MIT EINEM GASFÖRMIGEN FLUID

Title (fr)
DISPOSITIF DE REFROIDISSEMENT D'UN PALIER MAGNETIQUE D'UNE TURBINE AVEC UN FLUIDE GAZEUX, TURBINE ET PROCÉDÉ DE REFROIDISSEMENT D'UN PALIER MAGNETIQUE D'UNE TURBINE AVEC UN FLUIDE GAZEUX

Publication
EP 3230609 A1 20171018 (DE)

Application
EP 15763580 A 20150915

Priority
• DE 102015202357 A 20150210
• EP 2015071053 W 20150915

Abstract (en)
[origin: WO2016128075A1] The invention relates to a device (10) for cooling a magnetic bearing (52) of a turbine (50) by means of a gaseous fluid (40), having a fluid supply line (20) for supplying the gaseous fluid (40) to the magnetic bearing (52), a fluid discharge line (21) for discharging the gaseous fluid (40) from the magnetic bearing (52), a conveying device (22) for conveying the gaseous fluid (40), and a drying apparatus (30) arranged in the fluid supply line (20) for drying the gaseous fluid (40). The invention further relates to a turbine (50), having a magnetic bearing (52) and an apparatus (10) for cooling the magnetic bearing (52) by means of a gaseous fluid (40) and to a method for cooling a magnetic bearing (52) of a turbine (50) by means of a gaseous fluid (40) using an apparatus (10) for cooling the magnetic bearing (52) by means of a gaseous fluid (40).

IPC 8 full level
F01D 25/12 (2006.01); **F16C 37/00** (2006.01)

CPC (source: EP)
F01D 25/125 (2013.01); **F16C 37/005** (2013.01); **F05D 2240/51** (2013.01)

Citation (search report)
See references of WO 2016128075A1

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)
DE 102015202357 A1 20160811; EP 3230609 A1 20171018; WO 2016128075 A1 20160818

DOCDB simple family (application)
DE 102015202357 A 20150210; EP 15763580 A 20150915; EP 2015071053 W 20150915