

Title (en)  
SYSTEM COMPRISING A TURBINE AND AN ELECTRIC MACHINE COUPLED MECHANICALLY THERETO, AND METHOD FOR OPERATING SUCH A SYSTEM

Title (de)  
SYSTEM AUS EINER TURBINE UND EINER DAMIT MECHANISCH GEKOPPELTEN ELEKTROMASCHINE UND VERFAHREN ZUM BETRIEB EINES SOLCHEN SYSTEMS

Title (fr)  
SYSTÈME COMPOSÉ D'UNE TURBINE ET D'UNE MACHINE ÉLECTRIQUE COUPLÉE MÉCANIQUEMENT À LA TURBINE, ET PROCÉDÉ SERVANT À FAIRE FONCTIONNER UN SYSTÈME DE CE TYPE

Publication  
**EP 2992601 A1 20160309 (DE)**

Application  
**EP 14741556 A 20140715**

Priority  
• DE 102013218631 A 20130917  
• EP 2014065132 W 20140715

Abstract (en)  
[origin: WO2015039781A1] The invention relates to a system comprising a turbine and an electric machine (3) coupled mechanically thereto, wherein the electric machine generates electrical energy in the case of a drive by the turbine in an operating rotational direction, it being possible for said electrical energy to be fed into an electrical grid (10) via a switching apparatus (5) located in a first switching position at that time, and wherein the switching apparatus (5) can be brought into a second switching position. The system is characterized by the fact that, in the second switching position of the switching apparatus (5), electrical energy can be supplied to the electric machine (3) in such a way that said electrical energy generates a torque.

IPC 8 full level  
**H02P 3/24** (2006.01); **F02C 1/00** (2006.01); **H02P 9/08** (2006.01)

CPC (source: EP)  
**F01D 19/00** (2013.01); **H02P 3/24** (2013.01); **H02P 9/08** (2013.01)

Citation (search report)  
See references of WO 2015039781A1

Citation (examination)  
• DE 102004004350 B3 20050901 - NORDEX ENERGY GMBH [DE]  
• GATTI E ET AL: "DIGITAL CONTROL OF LOAD COMMUTATED INVERTERS FOR STARTING EQUIPMENT OF GAS TURBINE POWER STATIONS", POWER ELECTRONICS IN GENERATION AND TRANSMISSION. BRIGHTON, SEPT. 13 - 16, 1993; [PROCEEDINGS OF THE EUROPEAN CONFERENCE ON POWER ELECTRONICS AND APPLICATIONS], LONDON, IEE, GB, vol. 8, 13 September 1993 (1993-09-13), pages 250 - 255, XP000470850

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 102013218631 A1 20150319**; EP 2992601 A1 20160309; WO 2015039781 A1 20150326

DOCDB simple family (application)  
**DE 102013218631 A 20130917**; EP 14741556 A 20140715; EP 2014065132 W 20140715