Title (en)

METHOD FOR TESTING THE PROTECTION CHAIN OF A TURBINE ENGINE AGAINST OVERSPEED UPON STARTING

Title (de)

VERFAHREN ZUM TESTEN DER SCHUTZKETTE EINES TURBINENMOTORS VOR ÜBERDREHZAHL BEIM STARTEN

Title (fr)

PROCEDE DE REALISATION D'UN TEST DE LA CHAINE DE PROTECTION D'UNE TURBOMACHINE CONTRE LES SURVITESSES LORS D'UN DEMARRAGE.

Publication

EP 2440748 B1 20130220 (FR)

Application

EP 10734209 A 20100602

Priority

• FR 2010051072 W 20100602
• FR 0953835 A 20090610
• FR 0954349 A 20090625

Abstract (en)

[origin: WO2010142886A1] The invention relates to a test of the overspeed protection chain that includes: (a) after an order for starting the turbine engine, sending from the electronic regulation system (SER) of the turbine engine to the control circuit of a fuel cutoff member (OCC) an order for closing or maintaining in the closed position the fuel cutoff member (OCC); (b) checking the closing state of the OCC from information transmitted to the SER and representative of the position of the OCC; (c) if the result of the check of step (b) is positive, sending an order from the SER to the OCC control circuit for authorizing the opening of the OCC and maintaining the start procedure; and (d) if the result of the check of step (c) is negative, transmitting from the SER an information on the defect of the overspeed protection chain.

IPC 8 full level

F01D 21/00 (2006.01); **F01D 21/02** (2006.01); **F01D 21/20** (2006.01)

CPC (source: EP US)

F01D 21/003 (2013.01 - EP US); **F01D 21/02** (2013.01 - EP US); **F01D 21/20** (2013.01 - EP US); F05D 2270/021 (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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010142886 A1 20101216; BR PI1010770 A2 20160322; BR PI1010770 B1 20200901; CA 2764719 A1 20101216; CA 2764719 C 20161129; CN 102459822 A 20120516; CN 102459822 B 20140611; EP 2440748 A1 20120418; EP 2440748 B1 20130220; JP 2012529595 A 20121122; RU 2011154347 A 20130720; RU 2530687 C2 20141010; US 2012085101 A1 20120412; US 8925329 B2 20150106

DOCDB simple family (application)

FR 2010051072 W 20100602; BR PI1010770 A 20100602; CA 2764719 A 20100602; CN 201080026160 A 20100602; EP 10734209 A 20100602; JP 2012514515 A 20100602; RU 2011154347 A 20100602; US 201013377225 A 20100602