



(11) **EP 2 971 699 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 72

(51) Int Cl.:
F02C 9/00 (2006.01) F02C 7/32 (2006.01)

(86) International application number:
PCT/US2013/066047

(48) Corrigendum issued on:
15.01.2020 Bulletin 2020/03

(87) International publication number:
WO 2014/143187 (18.09.2014 Gazette 2014/38)

(45) Date of publication and mention
of the grant of the patent:
04.12.2019 Bulletin 2019/49

(21) Application number: **13786374.2**

(22) Date of filing: **22.10.2013**

(54) **LIFING AND PERFORMANCE OPTIMIZATION LIMIT MANAGEMENT FOR TURBINE ENGINE**

LEBENSDAUER- UND LEISTUNGSOPTIMIERUNGSMANAGEMENT FÜR EINEN
TURBINENMOTOR

GESTION DE L'OPTIMISATION DES PERFORMANCES ET DE LA DURÉE DE VIE POUR MOTEUR
À TURBINE

(84) Designated Contracting States:
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

(74) Representative: **Williams, Michael David**
Marks & Clerk LLP
1 New York Street
Manchester M1 4HD (GB)

(30) Priority: **15.03.2013 US 201361794165 P**

(56) References cited:
EP-A2- 2 099 111 EP-A2- 2 657 457
JP-A- 2010 065 636

(43) Date of publication of application:
20.01.2016 Bulletin 2016/03

(73) Proprietor: **Rolls-Royce Corporation**
Indianapolis, Indiana 46225 (US)

• **Christian Zähringer ET AL: "Towards the**
Powerhouse for More Electric Aircraft - Dedicated
Engine Concepts", , 31 December 2009
(2009-12-31), XP055100445, Retrieved from the
Internet:
URL: http://www.mtu.de/en/technologies/engineering_news/development/Zaehringer_Towards_the_Powerhouse_en.pdf [retrieved on
2014-02-05]

(72) Inventors:
• **ARMSTRONG, Michael**
Avon, Indiana 46123 (US)
• **FRENCH, Mat**
Avon, Indiana 46123 (US)

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 2 971 699 B8