Title (en)

Method for controlling consumption and detecting leaks in a turbomachine lubrication system

Title (de)

Methode zur Verbrauchskontrolle und Aufdeckung von Leckagen in einem System zur Schmierung einer Strömungsmaschine

Title (fr)

Méthode de contrôle de la consommation et de détection de fuites dans un système de lubrification de turbomachine

Publication

EP 2072762 B1 20120530 (FR)

Application

EP 07447071 A 20071221

Priority

EP 07447071 A 20071221

Abstract (en)

[origin: EP2072762A1] The method involves comparing a difference between values of turbomachines i.e. turbojet engines, of an aircraft i.e. civil aircraft, with a reference value in identical conditions, for detecting abnormal consumption of oil. Several parasite effects influencing an oil level in a reservoir of a lubricating system are considered for obtaining modification of the oil level due to reduction of total quantity of the oil available from the effects, where the effects are related to thermal expansion in the reservoir, gulping of oil and attitude and acceleration of the aircraft. Independent claims are also included for the following: (1) a computing system for calculating consumption and autonomy of oil comprising a memory (2) a computer program comprising instructions to perform a method for calculating consumption and autonomy of oil.

IPC 8 full level

F01D 21/00 (2006.01); **F01D 25/18** (2006.01); **F01M 11/12** (2006.01)

CPC (source: EP US)

F01D 21/003 (2013.01 - EP US); **F01M 1/18** (2013.01 - EP US)

Cited by

EP2458161A1; FR2980238A1; EP3369895A3; FR2993608A1; CN104343492A; FR3093806A1; CN113518851A; FR3044404A1; EP3205839A1; EP3653848A1; FR2958911A1; CN102859133A; EP2829697A1; KR20150012218A; US11192660B2; US11988143B2; US10378692B2; WO2013037865A1; WO2020188179A1; WO2011131892A1; US9452847B2; US9540974B2; US8676436B2

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