

Title (en)
TURBINE ENGINE MODULE EQUIPPED WITH AN ELECTRIC MACHINE

Title (de)
TURBINENMOTORMODUL MIT EINER ELEKTRISCHEN MASCHINE

Title (fr)
MODULE DE TURBOMACHINE EQUIPE D'UNE MACHINE ELECTRIQUE

Publication
EP 4127438 A1 20230208 (FR)

Application
EP 21720806 A 20210326

Priority
• FR 2003359 A 20200403
• FR 2021050539 W 20210326

Abstract (en)
[origin: WO2021198601A1] The invention relates to a turbine engine module, comprising: - a fan shaft (6), - a power shaft (15) rotating the fan shaft via a speed reducer (21) arranged in a lubrication chamber (22), - a lubrication system (50) for the speed reducer (21) having a main circuit (51), which is closed, for supplying the lubrication chamber, and an auxiliary circuit (60), which is closed, for supplying the lubrication chamber when the main circuit is inactive, the auxiliary circuit comprising an auxiliary pump (61) driven by an electric motor (63), and - an electric machine (65) configured to power the electric motor (63), the electric machine having a rotor connected to the fan shaft in order to be rotated and a stator mounted on a stationary member at least partially supporting the electric machine.

IPC 8 full level
F02C 7/06 (2006.01); **F01D 25/16** (2006.01); **F01D 25/20** (2006.01); **F02C 7/36** (2006.01)

CPC (source: EP US)
F01D 15/10 (2013.01 - US); **F01D 25/16** (2013.01 - EP US); **F01D 25/20** (2013.01 - EP); **F02C 7/06** (2013.01 - EP US); **F02C 7/32** (2013.01 - US); **F02C 7/36** (2013.01 - EP); **F02K 3/06** (2013.01 - US); **F05D 2220/76** (2013.01 - EP); **F05D 2260/40311** (2013.01 - EP); **F05D 2260/98** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP)

Citation (search report)
See references of WO 2021198601A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3108945 A1 20211008; **FR 3108945 B1 20221111**; CN 115298427 A 20221104; EP 4127438 A1 20230208; US 2023313739 A1 20231005; WO 2021198601 A1 20211007

DOCDB simple family (application)
FR 2003359 A 20200403; CN 202180020785 A 20210326; EP 21720806 A 20210326; FR 2021050539 W 20210326; US 202117905318 A 20210326