

Title (en)

DEVICE FOR CLEANING TURBINE BLADES OF A JET ENGINE

Title (de)

VORRICHTUNG ZUM REINIGEN VON TURBINENSCHAUFELN EINES STRAHLTRIEBWERKS

Title (fr)

DISPOSITIF DE NETTOYAGE D'AUBES DE TURBINE D'UN MOTEUR À RÉACTION

Publication

EP 3698024 A1 20200826 (DE)

Application

EP 18789369 A 20181016

Priority

- DE 102017218425 A 20171016
- EP 2018078204 W 20181016

Abstract (en)

[origin: CA3077623A1] The invention relates to a device (1) for cleaning turbine blades (82) of a turbine stage (81) of a jet engine (80). Said device (1) comprises a cleaning lance (2) for insertion in a jet engine (80) through a through-opening (83), said cleaning lance having an outlet opening (3) at one end and a supply connection (4) for supplying a cleaning medium at the other end. The device (1) further comprises a guide (10) for the cleaning lance (2) for clearly and reproducibly orienting and aligning the cleaning lance (2), and a fastening device (20) for removably fastening the guide (10) to the exterior of the jet engine (80), said fastening device (20) having an alignment unit (30) by means of which the guide (10) can be adjusted to a predefined alignment with respect to the exterior of the jet engine (80).

IPC 8 full level

F01D 25/00 (2006.01); **B23P 6/00** (2006.01); **F01D 5/00** (2006.01)

CPC (source: EP US)

B08B 3/026 (2013.01 - US); **B08B 7/00** (2013.01 - US); **B08B 9/00** (2013.01 - US); **F01D 5/005** (2013.01 - EP); **F01D 25/002** (2013.01 - EP US); **B23P 6/002** (2013.01 - EP); **F05D 2220/323** (2013.01 - US); **F05D 2230/72** (2013.01 - US)

Citation (search report)

See references of WO 2019076875A1

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 102017218425 A1 20190418; CA 3077623 A1 20190425; CN 111226025 A 20200602; EP 3698024 A1 20200826; JP 2020537080 A 20201217; RU 2020115568 A 20211108; US 2020284158 A1 20200910; WO 2019076875 A1 20190425

DOCDB simple family (application)

DE 102017218425 A 20171016; CA 3077623 A 20181016; CN 201880067294 A 20181016; EP 18789369 A 20181016; EP 2018078204 W 20181016; JP 2020520733 A 20181016; RU 2020115568 A 20181016; US 201816753345 A 20181016