

Title (en)

METHOD FOR THE QUANTITATIVE DETERMINATION OF AN ACTUAL OPERATING STATE-DEPENDENT VARIABLE OF A FAN, IN PARTICULAR OF A PRESSURE CHANGE OR PRESSURE INCREASE, AND FAN

Title (de)

VERFAHREN ZUR QUANTITATIVEN BESTIMMUNG EINER AKTUELLEN BETRIEBSZUSTANDSABHÄNGIGEN GRÖSSE EINES VENTILATORS, INSBESONDERE EINER DRUCKÄNDERUNG ODER DRUCKERHÖHUNG, UND VENTILATOR

Title (fr)

PROCÉDÉ DE DÉTERMINATION QUANTITATIVE D'UNE GRANDEUR RÉELLE DÉPENDANTE DE L'ÉTAT DE FONCTIONNEMENT D'UN VENTILATEUR, EN PARTICULIER D'UN CHANGEMENT DE PRESSION OU D'UNE AUGMENTATION DE PRESSION, ET VENTILATEUR

Publication

**EP 3927977 A1 20211229 (DE)**

Application

**EP 20749803 A 20200702**

Priority

- DE 102019212325 A 20190817
- DE 2020200054 W 20200702

Abstract (en)

[origin: WO2021032255A1] The invention relates to a method for quantitatively determining an actual operating-state-dependent variable, for example the pressure increase of a fan, wherein, an actual operating-state-dependent variable is determined via its rotational speed using known volume or mass flows of the fan.

IPC 8 full level

**F04D 27/00** (2006.01); **F04D 29/28** (2006.01)

CPC (source: CN EP US)

**F04D 27/001** (2013.01 - CN EP US); **F04D 27/004** (2013.01 - EP US); **F04D 29/281** (2013.01 - US); **F04D 29/281** (2013.01 - EP); **F05D 2260/83** (2013.01 - EP); **F05D 2270/301** (2013.01 - EP); **F05D 2270/3015** (2013.01 - EP US); **F05D 2270/304** (2013.01 - EP US); **F05D 2270/3061** (2013.01 - EP US)

Citation (search report)

See references of WO 2021032255A1

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 102019212325 A1 20210218**; CN 114222865 A 20220322; CN 114222865 B 20240604; EP 3927977 A1 20211229; JP 2022544314 A 20221017; US 2022307508 A1 20220929; WO 2021032255 A1 20210225

DOCDB simple family (application)

**DE 102019212325 A 20190817**; CN 202080058030 A 20200702; DE 2020200054 W 20200702; EP 20749803 A 20200702; JP 2022509197 A 20200702; US 202017635814 A 20200702