

Title (en)
EQUIPMENT FOR CHARACTERISING A FOG OF DROPLETS, APPLICATION TO QUALITY-CONTROL AND TO THE DETECTION OF FROST

Title (de)
VORRICHTUNG ZUR CHARAKTERISIERUNG EINES TRÖPFCHENNEBELS, ANWENDUNG ZUR QUALITÄTSKONTROLLE UND ZUM NACHWEIS VON FROST

Title (fr)
EQUIPEMENT DE CARACTERISATION D'UN BROUILLARD DE GOUTTELETTES, APPLICATION POUR LE CONTRÔLE DE QUALITE ET LA DETECTION DE GIVRAGE

Publication
EP 3669170 A1 20200624 (FR)

Application
EP 18765955 A 20180814

Priority

- FR 1757694 A 20170816
- FR 1757695 A 20170816
- FR 2018052061 W 20180814

Abstract (en)
[origin: WO2019034821A1] The present invention relates to equipment for physically and thermochemically characterising a fog of droplets of dimensions comprised between 1 and 500 µm, in a zone of measurement and comparison with a reference profile comprising illuminating means (1) that are capable of producing an illumination of said measurement zone and image-capturing means (2) including at least one camera (3) that is capable of taking at least one image of said measurement zone illuminated by said illuminating means, which illuminating means comprise at least one monochromatic source that emits in a direction D1 (8) and the image-capturing means (2) comprise a collimating optic and a camera, which is oriented in a direction D2 (7). It also relates to the applications, to a method and to a piece of equipment for controlling quality and for detecting frost.

IPC 8 full level
G01N 15/14 (2006.01); **B64D 15/20** (2006.01); **G01K 11/00** (2006.01); **G01S 17/95** (2006.01)

CPC (source: EP)
B64D 15/20 (2013.01); **G01K 11/00** (2013.01); **G01N 15/1433** (2024.01); **G01N 15/1434** (2013.01); **G01S 17/95** (2013.01); **G01N 2015/145** (2013.01); **Y02A 90/10** (2017.12)

Citation (search report)
See references of WO 2019034821A1

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)
WO 2019034821 A1 20190221; EP 3669170 A1 20200624

DOCDB simple family (application)
FR 2018052061 W 20180814; EP 18765955 A 20180814