

Title (en)

METEOROLOGY METHOD AND DEVICE AND ASSOCIATED COMPUTER PROGRAM PRODUCT

Title (de)

METEOROLOGISCHES VERFAHREN UND VORRICHTUNG SOWIE ZUGEHÖRIGES COMPUTERPROGRAMMPRODUKT

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MÉTÉOROLOGIE ET PRODUIT PROGRAMME D'ORDINATEUR ASSOCIÉ

Publication

EP 3574347 A1 20191204 (FR)

Application

EP 18701757 A 20180129

Priority

- FR 1750733 A 20170130
- EP 2018052139 W 20180129

Abstract (en)

[origin: WO2018138340A1] The invention relates to a meteorology method for detecting and/or forecasting convective atmospheric systems (2) in the atmosphere (3) of a planet according to radiance data acquired by means of at least one radiance sensor (18) and representing the radiance emitted by a surface (6) of the planet and/or clouds (8) present in the atmosphere, and/or radar surface data acquired by means of at least one radar (20) and representing the state of the surface of the planet. The method comprises the detection of a convective atmospheric system (2) according to both the radiance data and the radar surface data, and/or the digital forecasting of a convective atmospheric system (2) with digital assimilation of the radar surface data or according to both the radiance data and the radar surface data.

IPC 8 full level

G01W 1/06 (2006.01); **G01W 1/10** (2006.01)

CPC (source: EP US)

G01S 7/003 (2013.01 - US); **G01S 13/02** (2013.01 - US); **G01S 13/86** (2013.01 - US); **G01S 13/951** (2013.01 - US); **G01S 13/953** (2013.01 - US); **G01W 1/06** (2013.01 - EP US); **G01W 1/10** (2013.01 - EP US)

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See references of WO 2018138340A1

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 2018138340 A1 20180802; EP 3574347 A1 20191204; FR 3062484 A1 20180803; FR 3062484 B1 20201009; US 2020041693 A1 20200206

DOCDB simple family (application)

EP 2018052139 W 20180129; EP 18701757 A 20180129; FR 1750733 A 20170130; US 201816482222 A 20180129