Title (en)

METHOD FOR ANALYSING THE SPATIAL ENVIRONMENT AND ASSOCIATED DEVICE

Title (de)

VERFAHREN ZUR ANALYSE DER RÄUMLICHEN UMGEBUNG UND ZUGEHÖRIGE VORRICHTUNG

Title (fr)

PROCEDE D'ANALYSE DE L'ENVIRONNEMENT SPATIAL ET DISPOSITIF ASSOCIE

Publication

EP 3899459 A1 20211027 (FR)

Application

EP 19828705 A 20191218

Priority

- FR 1873378 A 20181219
- EP 2019085900 W 20191218

Abstract (en)

[origin: WO2020127452A1] The invention relates to a method for analysing radiation emitted by the upper atmosphere, comprising the steps of collecting a beam coming from a direction (h, A) of the atmosphere, polarising the collected beam, selecting at least one frequency range of the collected beam and measuring an intensity of the at least one frequency range of the collected and polarised beam (I(θ,t)) according to the angle θ(t). The method comprises the step of determining, from the values of I(θ,t) collected on a rotation of at least Π/2 radians of the variable angle polariser: - at least one physical and/or chemical and/or electromagnetic parameter of the upper atmosphere, and/or a variation of at least one physical and/or chemical and/or electromagnetic parameter of the upper atmosphere, and/or - a probability of malfunction and/or degradation of networks and/or electrical and/or electronic equipment and/or systems and/or devices.

IPC 8 full level

G01J 3/02 (2006.01); **G01J 4/04** (2006.01)

CPC (source: EP US)

G01J 3/0224 (2013.01 - EP US); **G01J 3/0237** (2013.01 - EP); **G01J 4/04** (2013.01 - EP US); **G01N 22/00** (2013.01 - US)

Citation (search report)

See references of WO 2020127452A1

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 2020127452 A1 20200625; EP 3899459 A1 20211027; FR 3090862 A1 20200626; FR 3090862 B1 20210326; US 2022057339 A1 20220224

DOCDB simple family (application)

EP 2019085900 W 20191218; EP 19828705 A 20191218; FR 1873378 A 20181219; US 201917413895 A 20191218