

Title (en)

METHOD AND DEVICE FOR DETECTING AT LEAST ONE MICROORGANISM ACCORDING TO THE LABELLING KINETICS THEREOF, AND DETECTION SUPPORT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM NACHWEIS VON MINDESTENS EINES MIKROORGANISMUS GEMÄSS DER MARKIERUNGSKINETIK DAVON UND NACHWEISTRÄGER

Title (fr)

MÉTHODE ET DISPOSITIF POUR LA DÉTECTION D'AU MOINS UN MICROORGANISME SELON SA CINÉTIQUE DE MARQUAGE, ET SUPPORT DE DÉTECTION

Publication

EP 3861125 A1 20210811 (FR)

Application

EP 19779504 A 20191004

Priority

- FR 1859253 A 20181005
- EP 2019076869 W 20191004

Abstract (en)

[origin: WO2020070265A1] The invention relates to a method for detecting, on a detection support (1, 21), at least one microorganism (2) present in a sample to be analysed (3) and revealed by means of at least one cell marker (4). This method comprises a first taking of an image (I₀, I'₀) before a step of controlled release of said marker (4) and bringing this marker into contact with said microorganism, and at least one taking of an image (I_i) following this contacting step, so as to detect said microorganism according to the change in the labelling kinetics thereof, by means of a comparative analysis between the different images that have been taken. The invention also relates to an automated detection device (14) capable of implementing the method and to a detection support capable of being used in the method and which is part of the device (14).

IPC 8 full level

C12Q 1/04 (2006.01); **C12M 1/34** (2006.01)

CPC (source: EP US)

C12Q 1/04 (2013.01 - EP US); **G06T 7/0014** (2013.01 - US); **H04N 23/56** (2023.01 - US); **G06T 2207/10056** (2013.01 - US); **G06T 2207/10064** (2013.01 - US); **G06T 2207/30024** (2013.01 - US); **G06T 2207/30204** (2013.01 - US); **G06T 2207/30242** (2013.01 - US)

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 2020070265 A1 20200409; CN 112823211 A 20210518; EP 3861125 A1 20210811; FR 3086951 A1 20200410; FR 3086951 B1 20210226; JP 2022502058 A 20220111; JP 7478443 B2 20240507; US 2021277440 A1 20210909

DOCDB simple family (application)

EP 2019076869 W 20191004; CN 201980062855 A 20191004; EP 19779504 A 20191004; FR 1859253 A 20181005; JP 2021517590 A 20191004; US 201917279162 A 20191004