

Title (en)

METHOD FOR DETERMINING THE PRESENCE OF BACTERIA IN OR ON AN AGAR COMPONENT

Title (de)

VERFAHREN ZUR BESTIMMUNG DER ANWESENHEIT VON BAKTERIEN IN ODER AUF EINER AGARKOMPONENTE

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE LA PRÉSENCE DE BACTÉRIES DANS OU SUR UN COMPOSANT GÉLOSÉ

Publication

EP 4267943 A1 20231101 (FR)

Application

EP 21840064 A 20211224

Priority

- FR 2014164 A 20201227
- EP 2021087643 W 20211224

Abstract (en)

[origin: WO2022136701A1] The invention relates to a method for determining a presence of microorganisms in an agar component (10) comprising an agar, the agar having nutrients conducive to the growth of microorganisms, the method comprising: - a) obtaining the agar component, extending between a first end (11) and a second end (12), and being at least partially transparent to an illumination wavelength; - b) arranging the agar component obtained in a), in contact with an ambient medium (2, 10, 14, 15), the ambient medium having a refractive index lower than the refractive index of the agar, so that the agar is capable of confining light, at said wavelength; - c) illuminating the first end by a light source (21), and detecting, by the photodetector (22), light emanating from the second end after it has propagated between the first end and the second end; - d) repeating step c) at different times; - e) from a variation of the light detected at different times, determining a presence of microorganisms in the agar component.

IPC 8 full level

G01N 21/59 (2006.01); **G01N 21/77** (2006.01); **G01N 21/78** (2006.01)

CPC (source: EP)

G01N 21/7703 (2013.01); **G01N 21/78** (2013.01); **G01N 2021/7783** (2013.01)

Citation (search report)

See references of WO 2022136701A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3118465 A1 20220701; EP 4267943 A1 20231101; WO 2022136701 A1 20220630

DOCDB simple family (application)

FR 2014164 A 20201227; EP 2021087643 W 20211224; EP 21840064 A 20211224