Title (en)

METHODS AND SYSTEMS FOR DETERMINING SUITABILITY OF COMPOSITIONS FOR INHIBITING GROWTH OF POLYMICROBIAL SAMPLES

Title (de)

VERFAHREN UND SYSTEME ZUR BESTIMMUNG DER EIGNUNG VON ZUSAMMENSETZUNGEN ZUR HEMMUNG DES WACHSTUMS VON POLYMIKROBIELLEN PROBEN

Title (fr)

PROCÉDÉS ET SYSTÈMES DE DÉTERMINATION DE L'ADÉQUATION DE COMPOSITIONS POUR INHIBER LA CROISSANCE D'ÉCHANTILLONS POLYMICROBIENS

Publication

EP 4294521 A1 20231227 (EN)

Application

EP 22756936 A 20220217

Priority

- US 202117178091 A 20210217
- US 2021027336 W 20210414
- US 202117335767 A 20210601
- US 202163195502 P 20210601
- US 202163251433 P 20211001
- US 2022016816 W 20220217

Abstract (en)

[origin: WO2022178142A1] Methods for identifying and providing information about inhibiting growth of polymicrobial infections, including but not limited to providing statistics or information about the likelihood of success in inhibiting growth of a polymicrobial infection with particular compositions or therapeutic solutions. The methods herein feature detection and identification of organisms of the polymicrobial sample (e.g., polymicrobial infection), phenotypic pooled sensitivity tests for determining the susceptibility or resistance of the polymicrobial sample (e.g., polymicrobial infection) in the sample to an antibiotic or other therapeutic agent, and identification of resistance genes, e.g., genetic markers that may indicate resistance to a particular treatment. Together, the data can be applied against databases of antibiotic/therapeutic susceptibility or resistance for particular known polymicrobial samples (e.g., polymicrobial infections) in order to provide information related to the likelihood of success of one or more therapeutic solutions for the polymicrobial sample (e.g., polymicrobial infection).

IPC 8 full level

A61P 31/00 (2006.01); **C12Q 1/04** (2006.01); **C12Q 1/08** (2006.01); **C12Q 1/18** (2006.01); **C12Q 1/6869** (2018.01); **C12Q 1/689** (2018.01)

CPC (source: EP IL)

A61P 31/00 (2017.12 - IL); **C12Q 1/04** (2013.01 - IL); **C12Q 1/08** (2013.01 - IL); **C12Q 1/18** (2013.01 - EP); **C12Q 1/689** (2013.01 - EP IL); **G01N 21/59** (2013.01 - IL); **G01N 21/5907** (2013.01 - IL); **G16H 10/20** (2017.12 - EP); **G16H 10/40** (2017.12 - EP IL); **G16H 15/00** (2017.12 - EP IL); **G16H 20/10** (2017.12 - EP IL); **G16H 50/70** (2017.12 - EP); **G16H 70/40** (2017.12 - EP); C12Q 2600/106 (2013.01 - EP IL); G01N 21/31 (2013.01 - EP); G01N 21/76 (2013.01 - EP); G01N 2021/593 (2013.01 - IL); G01N 2021/7786 (2013.01 - EP); G16H 20/17 (2017.12 - EP); Y02A 90/10 (2017.12 - EP)

Citation (search report)

See references of WO 2022178142A1

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)

WO 2022178142 A1 20220825; CA 3175879 A1 20220825; EP 4294521 A1 20231227; IL 294577 A 20220901

DOCDB simple family (application)

US 2022016816 W 20220217; CA 3175879 A 20220217; EP 22756936 A 20220217; IL 29457722 A 20220707