Title (en)
METHOD AND SYSTEM FOR MICROBIAL PHARMACOGENOMICS

Title (de)
VERFAHREN UND SYSTEM FÜR MIKROBIELLE PHARMAKOGENOMIK

Title (fr)
PROCÉDÉ ET SYSTÈME DE PHARMACOGÉNOMIQUE MICROBIENNE

Publication
EP 3484348 A1 20190522 (EN)

Application
EP 17828501 A 20170713

Priority
- US 201662361943 P 20160713
- US 201715606743 A 20170526
- US 2017042015 W 20170713

Abstract (en)
[origin: WO2018013865A1] Embodiments of a method and system for microbial pharmacogenomics can include: a sample handling system operable to collect containers including biological samples from a set of users, the handling system including a sequencing system operable to determine microorganism sequences from the biological samples; a microbiome characterization system operable to: determine microbiome pharmacogenomics data based on the microorganism sequences, collect supplementary data associated with the antibiotics- associated condition for the set of users, and transform the supplementary data and features extracted from the microbiome pharmacogenomics data into a characterization model associated with the antibiotics-associated condition; and a treatment system operable to promote a treatment to the user for the antibiotics-associated condition based on characterizing user biological material with the characterization model in relation to the antibiotics-associated condition.

IPC 8 full level
A61B 5/00 (2006.01); **A61K 35/74** (2015.01)

CPC (source: EP KR)
A61B 5/4839 (2013.01 - EP KR); **A61B 5/4848** (2013.01 - EP KR); **A61B 5/746** (2013.01 - KR); **A61B 5/7465** (2013.01 - KR); **C12Q 1/689** (2013.01 - EP KR); **G16B 20/00** (2019.01 - EP); **G16B 40/20** (2019.01 - EP); A61B 5/746 (2013.01 - EP); A61B 5/7465 (2013.01 - EP); C12Q 2600/106 (2013.01 - EP KR); C12Q 2600/156 (2013.01 - EP KR); G16H 20/13 (2017.12 - EP); G16H 40/63 (2017.12 - EP); G16H 50/20 (2017.12 - EP); G16H 50/30 (2017.12 - EP); G16H 50/50 (2017.12 - EP); G16H 50/70 (2017.12 - EP); Y02A 90/10 (2017.12 - EP)

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 2018013865 A1 20180118; AU 2017295861 A1 20190124; BR 112019000709 A2 20190514; BR 112019000709 A8 20230321; CA 3030792 A1 20180118; CN 109475305 A 20190315; CN 109475305 B 20220125; CO 2019001319 A2 20190219; EA 201990294 A1 20190830; EP 3484348 A1 20190522; EP 3484348 A4 20211124; JP 2019521706 A 20190808; JP 2022079646 A 20220526; KR 102397683 B1 20220513; KR 20190033561 A 20190329; SG 11201900253T A 20190227; ZA 201900473 B 20190925

DOCDB simple family (application)
US 2017042015 W 20170713; AU 2017295861 A 20170713; BR 112019000709 A 20170713; CA 3030792 A 20170713; CN 201780043788 A 20170713; CO 2019001319 A 20190213; EA 201990294 A 20170713; EP 17828501 A 20170713; JP 2019522621 A 20170713; JP 2022058908 A 20220331; KR 20197004007 A 20170713; SG 11201900253T A 20170713; ZA 201900473 A 20190123