

Title (en)

METHOD AND SYSTEM FOR CHARACTERIZING ALLERGY-RELATED CONDITIONS ASSOCIATED WITH MICROORGANISMS

Title (de)

VERFAHREN UND SYSTEM ZUR CHARAKTERISIERUNG FÜR ALLERGIEBEDINGTE ERKRANKUNGEN, DIE MIT MIKROORGANISMEN ASSOZIIERT SIND

Title (fr)

PROCÉDÉ ET SYSTÈME POUR CARACTÉRISER DES AFFECTIONS LIÉES À UNE ALLERGIE ET ASSOCIÉES À DES MICRO-ORGANISMES

Publication

**EP 3775257 A4 20220309 (EN)**

Application

**EP 17881032 A 20171215**

Priority

- US 201662434902 P 20161215
- US 201662434894 P 20161215
- US 201662434881 P 20161215
- US 201662434923 P 20161215
- US 201662434912 P 20161215
- US 201662434917 P 20161215
- US 201715606743 A 20170526
- US 201762522293 P 20170620
- US 201762555782 P 20170908
- US 2017625557423 P 20170912
- US 201762558489 P 20170914
- US 201762564777 P 20170928
- US 201762582162 P 20171106
- US 201762582191 P 20171106
- US 201762582172 P 20171106
- US 2017066866 W 20171215

Abstract (en)

[origin: WO2018112437A1] Embodiments of a method and/or system for characterizing an allergy-related condition for a user can include one or more of: generating a microbiome dataset for each of an aggregate set of biological samples associated with a population of subjects, based on sample processing of the biological samples; processing a supplementary dataset associated with one or more allergy-related conditions for the set of users; and performing an allergy-related characterization process for the one or more allergy-related conditions, based on the supplementary dataset and/or microbiome features extracted from the microbiome dataset.

IPC 8 full level

**C12Q 1/68 (2018.01); G16B 30/10 (2019.01)**

CPC (source: EP US)

**C12Q 1/68 (2013.01 - EP); C12Q 1/6876 (2013.01 - EP); C12Q 1/6883 (2013.01 - EP); G16B 20/00 (2019.01 - EP); G16B 30/10 (2019.01 - EP US); G16B 20/40 (2019.01 - EP); G16B 40/20 (2019.01 - EP); G16B 40/30 (2019.01 - EP); G16B 50/30 (2019.01 - EP); G16H 10/40 (2017.12 - EP); G16H 20/10 (2017.12 - EP); G16H 20/30 (2017.12 - EP); G16H 20/60 (2017.12 - EP); G16H 20/70 (2017.12 - EP); G16H 40/63 (2017.12 - EP); G16H 50/20 (2017.12 - EP); G16H 50/50 (2017.12 - EP); Y02A 90/10 (2017.12 - EP)**

Citation (search report)

- [X] WO 2016168344 A1 20161020 - UBIOME INC [US]
- [X] WO 2016168354 A1 20161020 - UBIOME INC [US]
- [Y] ALMONACID DANIEL E. ET AL: "16S rRNA gene sequencing as a clinical diagnostic aid for gastrointestinal related conditions", BIORXIV, 31 October 2016 (2016-10-31), XP055820608, Retrieved from the Internet <URL:<https://www.biorxiv.org/content/10.1101/084657v1>> [retrieved on 20210702], DOI: 10.1101/084657
- [Y] NADJA B. KRISTENSEN ET AL: "Alterations in fecal microbiota composition by probiotic supplementation in healthy adults: a systematic review of randomized controlled trials", GENOME MEDICINE, vol. 8, no. 1, 10 May 2016 (2016-05-10), XP055439213, DOI: 10.1186/s13073-016-0300-5
- [Y] FUJIMURA KEI E ET AL: "Microbiota in Allergy and Asthma and the Emerging Relationship with the Gut Microbiome", CELL HOST & MICROBE, ELSEVIER, NL, vol. 17, no. 5, 13 May 2015 (2015-05-13), pages 592 - 602, XP029169452, ISSN: 1931-3128, DOI: 10.1016/j.chom.2015.04.007
- [Y] JOHN MOLLOY ET AL: "The Potential Link between Gut Microbiota and IgE-Mediated Food Allergy in Early Life", INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol. 10, no. 12, 16 December 2013 (2013-12-16), pages 7235 - 7256, XP055730645, DOI: 10.3390/ijerph10127235
- [Y] COPE E K ET AL: "Novel Microbiome-Based Therapeutics for Chronic Rhinosinusitis", CURRENT ALLERGY AND ASTHMA REPORTS, SPRINGER US, NEW YORK, vol. 15, no. 3, 17 March 2015 (2015-03-17), pages 1 - 10, XP035510395, ISSN: 1529-7322, [retrieved on 20150317], DOI: 10.1007/S11882-014-0504-Y
- [Y] SHEN NAN ET AL: "Engineering the Microbiome: a Novel Approach to Immunotherapy for Allergic and Immune Diseases", CURRENT ALLERGY AND ASTHMA REPORTS, SPRINGER US, NEW YORK, vol. 15, no. 7, 5 July 2015 (2015-07-05), pages 1 - 10, XP035511567, ISSN: 1529-7322, [retrieved on 20150705], DOI: 10.1007/S11882-015-0538-9
- [Y] BLÁZQUEZ ANA B ET AL: "Microbiome and food allergy", TRANSLATIONAL RESEARCH, ELSEVIER, AMSTERDAM, NL, vol. 179, 13 September 2016 (2016-09-13), pages 199 - 203, XP029850269, ISSN: 1931-5244, DOI: 10.1016/J.TRSL.2016.09.003
- [Y] DIESNER SUSANNE C ET AL: "A distinct microbiota composition is associated with protection from food allergy in an oral mouse immunization model", CLINICAL IMMUNOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 173, 24 October 2016 (2016-10-24), pages 10 - 18, XP029842626, ISSN: 1521-6616, DOI: 10.1016/J.CLIM.2016.10.009
- See references of WO 2018112437A1

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 2018112437 A1 20180621; EP 3775257 A1 20210217; EP 3775257 A4 20220309**

DOCDB simple family (application)

**US 2017066866 W 20171215; EP 17881032 A 20171215**