

Title (en)

SYSTEMS AND METHODS FOR NON-INVASIVE DETERMINATION OF COVID-19 CORONAVIRUS INFECTION

Title (de)

SYSTEME UND VERFAHREN ZUR NICHTINVASIVEN BESTIMMUNG EINER COVID-19-CORONAVIRUS-INFEKTION

Title (fr)

SYSTÈMES ET MÉTHODES POUR LA DÉTERMINATION NON INVASIVE DE L'INFECTION PAR LE CORONAVIRUS COVID-19

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Application

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Priority

- US 202062992627 P 20200320
- US 202063000077 P 20200326
- IL 27370920 A 20200331
- US 202063002404 P 20200331
- US 202063012672 P 20200420
- US 202063012682 P 20200420
- US 202063015714 P 20200427
- US 202063015723 P 20200427
- US 202063032732 P 20200601
- US 202063032735 P 20200601
- US 202063038920 P 20200615
- US 202063038921 P 20200615
- US 202063051398 P 20200714
- US 202063051399 P 20200714
- US 202063057318 P 20200728
- US 202063057319 P 20200728
- US 202063075316 P 20200908
- US 202063075324 P 20200908
- US 202063111089 P 20201109
- US 202063111091 P 20201109
- IB 2021052327 W 20210319

Abstract (en)

[origin: WO2021186412A1] A high throughput method for label-free, noncontact, noninvasive, and nondestructive detection of at least one virus infected or virus free individual from at least one tested individual is provided. The method includes collecting a sample from exhaled breath of a subject for analysis of the sample. The collecting includes the subject exhaling into at least one sampler and collecting aerosols and/or any airborne compound from the exhaled breath by passing the exhaled breath through a metamaterial membrane within the sampler. The metamaterial membrane is arranged transverse to a flow of exhaled breath through the sampler. The method further includes analyzing the sample for detection of at least one virus infected individual from at least one tested individual.

IPC 8 full level

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CPC (source: EP)

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