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PATENT SUMMARY

System and Method for Testing for COVID-19

Patent	US-2020279585-A1
Inventor	ROTHSCHILD RICHARD A (GB)
Assignee	ROTHSCHILD RICHARD A (GB)
Country	United States
Date	Priority 2015/10/13

This web page summarizes information in PubChem about patent US-2020279585-A1. This includes chemicals mentioned, as reported by PubChem contributors, as well as other content, such as title, abstract, and International Patent Classification (IPC) codes. To read more about how this page was constructed, please visit the **PubChem patents help page**.

NOTE: The priority date for patent application US-2020279585-A1 (and the corresponding grant US-11024339-B2) that Google has supplied is based on a series of separate-but-related patent applications dating back to 2015. Of those various applications, only US-2020279585-A1 mentions COVID-19, and it was filed on May 17, 2020. Please see the knowledgebase article on the topic: **https://support.nlm.nih.gov/knowledgebase/article/KA-05327/en-us**

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1 Abstract

A method is provided for acquiring and transmitting biometric data (e.g., vital signs) of a user, where the data is analyzed to determine whether the user is suffering from a viral infection, such as COVID-19. The method includes using a pulse oximeter to acquire at least pulse and blood oxygen saturation percentage, which is transmitted wirelessly to a smartphone. To ensure that the data is accurate, an accelerometer within the smartphone is used to measure movement of the smartphone and/or the user. Once accurate data is acquired, it is uploaded to the cloud (or host), where the data is used (alone or together with other vital signs) to determine whether the user is suffering from (or likely to suffer from) a viral infection, such as COVID-19. Depending on the specific requirements, the data, changes thereto, and/or the determination can be used to alert medical staff and take corresponding actions.

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2 Full Text

USPTO

http://appft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&p=1&u=/netahtml/PTO/srchnum.html&r=1&f=G&l=50&d=PG01&s1=20200279585.PGNR.

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Google

https://patents.google.com/patent/US20200279585A1

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3 Important Dates

3.1 Priority Date

2015/10/13

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3.2 Filing Date

2020/05/17

- Google Patents

3.3 Publication Date

2020/09/03

- Google Patents

4 Inventor

ROTHSCHILD RICHARD A (GB)

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5 Assignee

ROTHSCHILD RICHARD A (GB)

- Google Patents

6 Country

United States

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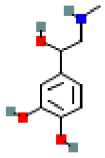
7 Linked Chemicals

7.1 PubChem Compounds

1 item View More Details

Structure	Compound CID	Name	Molecular Formula	Molecular Weight, g/mol
	838	DL-Adrenaline	$C_9H_{13}NO_3$	183.2

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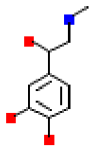
7.2 PubChem Substances

1 item View More Details

Structure	Substance SID	Compound CID	Substance Synonyms	Data Source
	425165935	838		Google Patents

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8 Linked Proteins

1 item

PubChem Protein	Protein Name
Q08047	1,4-alpha-glucan-branching enzyme 2, chloroplastic/amyloplastic (maize)

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9 Linked Genes

4 items

PubChem Gene	Gene Name
8540	AGPS - alkylglycerone phosphate synthase (human)
228061	Agps - alkylglycerone phosphate synthase (house mouse)
84114	Agps - alkylglycerone phosphate synthase (Norway rat)
613679	AGPS - alkylglycerone phosphate synthase (cattle)

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10 Patent Family

US-11024339-B2
US-2020279585-A1
US-2021257004-A1

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11 Classification

11.1 IPC

G11B27/10 (inventive, first)

G06K9/00 (inventive)

H04N9/82 (inventive)

G11B27/031 (inventive)

G16H40/63 (inventive)

H04N5/76 (inventive)

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11.2 CPC

G06V40/70 (inventive)

G06V40/15

H04N5/76 (inventive)

H04N9/8205 (inventive)

G16H40/63 (inventive)

G16H50/20 (inventive, first)

G16H40/67 (inventive)

G11B27/031 (inventive)

G11B27/10 (inventive, first)

H04N9/8205 (inventive)

G11B27/102 (inventive)

H04N5/76 (inventive)

G16H40/63 (inventive)

H04N9/8205 (inventive)

G11B27/10 (inventive, first)

G06K2009/00939

G16H40/63 (inventive)

G11B27/102 (inventive)

H04N5/76 (inventive)

G06K9/00892 (inventive)

G11B27/031 (inventive)

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12 Cited By

US-10991190-B1 (APP)
US-10991185-B1 (APP)
WO-2022108855-A1 (A) (ISR)

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13 Similar Patents

US-10910016-B2
US-9712629-B2
JP-6827018-B2
US-2021257004-A1
US-10983945-B2
US-8775120-B2
US-2016103970-A1
US-9069380-B2
US-2018132776-A1
US-2014164611-A1
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14 Information Sources

1. ## Google Patents

https://patents.google.com/patent/US20200279585A1

2. ## PubChem

https://pubchem.ncbi.nlm.nih.gov