## UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC.

Petitioner,

v.

MASIMO CORPORATION,

Patent Owner.

Case IPR2020-01538 U.S. Patent 10,588,554

## **DECLARATION OF CAROL PETERSON**

**DOCKET A L A R M** Find authenticated court documents without watermarks at <u>docketalarm.com</u>. I, Carol Peterson, declare as follows:

1. I have personal knowledge of the facts set forth herein.

2. I am a research librarian at the law firm of Knobbe, Martens, Olson & Bear, LLP.

3. On 28 May 2021, I accessed the following uniform resource locator

("URL") using Microsoft Edge:

https://web.wpi.edu/Pubs/E-project/Available/E-project-042413-160152

4. Exhibit 2014 is a true and accurate copy of a printout of the above URL on 28 May 2021. Below is a screenshot of the webpage at the above URL on 28 May 2021.

Worcester Polytechnic Institute Electronic Projects Collection

Title page for E-project-042413-160152

Project Type	MQP					
Submission date	2013-04-24					
Authors	Alexandra V Fontaine, BE Arben Koshi, BE Danielle C Morabito, BE Nicolas A Rodriguez, BE					
URN	E-project-042413-160152					
Title	Reflectance-Based Pulse Oximetry for the Chest and Wrist					
Advisor	Mendelson, Yitzhak, BE					
Availability	unrestricted					
there is little supporting evidence that i oximeter was built and used to collect r then compared to the measurements tak	technique used for noninvasively monitoring the oxygen saturation (SpO2) and pulse rate (PR). However, t can accurately collect measurements from the chest and wrist. In this project, a reflectance-based pulse measurements while sitting, standing, during self-induced hypoxia, and during self-induced hyperventilation sen by a HOMEDIC Deluxe Pulse Oximeter. The prototype was able to accurately measure within an error of ctively from the wrist while an error of $\pm 1\%$ and $+4\%$ for SpO2 and PR respectively from the chest.					
	<u>Final_MQP_Report.pdf</u>					

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Questions? Email <u>project-questions@wpi.edu</u> Maintained by webmaster@wpi.edu

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5. Also on 28 May 2021, I accessed the document Final\_MQP\_Report.pdf, using a link located at the URL listed in paragraph 3 of this declaration. This link directed Microsoft Edge to the following URL:

https://web.wpi.edu/Pubs/E-project/Available/E-project-042413-

## 160152/unrestricted/Final\_MQP\_Report.pdf

6. Exhibit 2015 is a true and accurate copy of a printout of the document Final\_MQP\_Report.pdf located at the URL in paragraph 5 of this declaration on 28 May 2021, and available and accessed via the link in paragraph 3 of this declaration. Below is a screenshot of a top portion of the document Final\_MQP\_Report.pdf located at the URL in paragraph 5 of this declaration on 28 May 2021.



## REFLECTANCE-BASED PULSE OXIMETER FOR THE CHEST AND WRIST

A Major Qualifying Project Report:

Submitted to the Faculty

Of the

WORCESTER POLYTECHNIC INSTITUTE

In partial fulfillment of the requirements for the

Degree of Bachelor of Science

7. On 28 May 2021, I accessed the following uniform resource locator ("URL") using Microsoft Edge:

https://spectrum.ieee.org/view-from-the-valley/biomedical/devices/should-

you-trust-apples-new-blood-oxygen-sensor

8. Exhibit 2016 is a true and accurate copy of a printout of the above URL on 28 May 2021. Below is a screenshot of a top portion the webpage at the above URL on 28 May 2021.

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By Tekla S. Perry



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I declare under penalty of perjury that the foregoing is true and correct.

Dated: <u>May 28,2021</u> By:/<u>Carol Peterson/</u> Carol Peterson