

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI50814

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ammar Al-Ali	04/09/2018
Keith Ward Indorf	04/16/2018
Swapnil Sudhir Harsule	02/02/2018
Ronald Keith Rumbaugh II	04/02/2018
Kun Han Kim	01/29/2019
RECEIVING PARTY DATA	
Company Name:	Masimo Corporation
Street Address:	52 Discovery
City:	irvine
State/Country:	CALIFORNIA
Postal Code:	92618
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	18165868
Application Number:	17220834
CORRESPONDENCE DATA	
Fax Number:	9497609502
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	9497600404
Email:	efiling@knobbe.com,chie.takeda@knobbe.com
Correspondent Name:	Docketing Department
Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	MAS.991
NAME OF SUBMITTER:	Chie Takeda
SIGNATURE:	Chie Takeda
DATE SIGNED:	02/26/2024

Total Attachments: 9

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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: MASIMO.991A/991WO

Page 1 of 5

U.S. Patent Application No.: 15/233,244; Filed: August 10, 2016

International (PCT) Patent Application No.: PCT/US2016/046400; Filed: August 10, 2016

Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors Ammar Al-Ali, Keith Ward Indorf, and Swapnil Sudhir Harsule

Inventor Declaration

This Declaration is directed to the application that was filed on **August 10, 2016** as U.S. Patent Application No. **15/233,244** and incorporating any amendments made thereto prior to the signature date of this Declaration.

This Declaration is also directed to the application that was filed on **August 10, 2016** as International Patent Application No. **PCT/US2016/046400** and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.
- I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.
- I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Inventor Assignment

WHEREAS, **above-identified inventor** (individual hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) and an international patent application (identified above) were filed with the United States Patent and Trademark Office (hereinafter the "Applications").

AND WHEREAS, **Masimo Corporation**, with its principal place of business at 52 Discovery, Irvine, California 92618 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all Patent Properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

- all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. **62/203,792**, filed **August 11, 2015**);
- all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and

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U.S. Patent Application No.: 15/233,244; Filed: August 10, 2016

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Inventors Ammar Al-Ali, Keith Ward Indorf, and Swapnil Sudhir Harsule

all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

- all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

[SIGNATURES BEGIN ON NEXT PAGE]

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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International (PCT) Patent Application No.: PCT/US2016/046400; Filed: August 10, 2016

Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors Ammar Al-Ali, Keith Ward Indorf, and Swapnil Sudhir Harsule

Legal Name of inventor: Ammar Al-Ali

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9th day of APRIL, ~~2016~~ ²⁰¹⁸

Signature: [Handwritten Signature]

Signature before a Notary is desirable but not required.

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF ORANGE } ss.

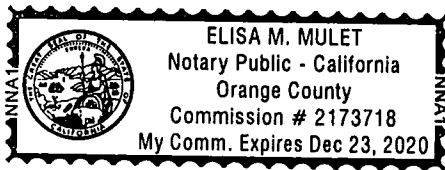
On 09 APR 2018, before me, ELISA M. MULET, notary public, personally appeared Ammar Al-Ali who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s); or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Handwritten Signature]
Notary Signature

[SEAL]



COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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U.S. Patent Application No.: 15/233,244; Filed: August 10, 2016

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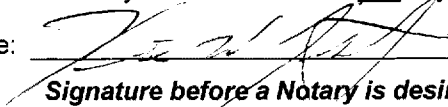
Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors Ammar Al-Ali, Keith Ward Indorf, and Swapnil Sudhir Harsule

Legal Name of inventor: Keith Ward Indorf

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16th day of APRIL, ²⁰¹⁸ 2016.

Signature: _____



Signature before a Notary is desirable but not required.

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.


STATE OF CALIFORNIA

COUNTY OF ORANGE } ss.

On 16 APRIL 2018, before me, ELISA M. MULET, notary public, personally appeared Keith Ward Indorf who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

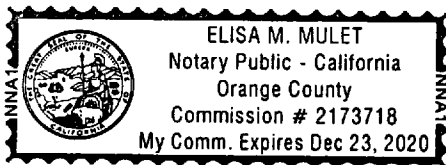
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Notary Signature

[SEAL]



COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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U.S. Patent Application No.: 15/233,244; Filed: August 10, 2016

International (PCT) Patent Application No.: PCT/US2016/046400; Filed: August 10, 2016

Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors Ammar Al-Ali, Keith Ward Indorf, and Swapnil Sudhir Harsule

Legal Name of inventor: Swapnil Sudhir Harsule

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2nd day of February, ~~2016~~ ²⁰¹⁸ *Ammar*

Signature: *Ammar*

Signature before a Notary is desirable but not required.

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF ORANGE

ss.

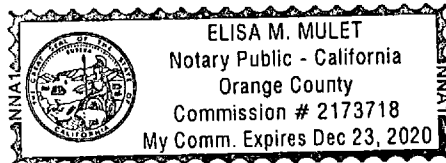
On 26 FEB 2018, before me, ELISA M. MULET, notary public, personally appeared Swapnil Sudhir Harsule who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Elisa M. Mulet
Notary Signature

[SEAL]



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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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Docket No.: MAS.991A

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Application No.: 15/233,244; Filed: August 10, 2016

Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors: Ronald Keith Rumbaugh II and Kun Han Kim

Inventor Declaration

This Declaration is directed to the above-identified U.S. application and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.
- I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.
- I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Inventor Assignment

WHEREAS, **above-identified inventors** (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries (collectively hereinafter referred to as the "Work"), and hereby assign or are under an obligation to assign to the below-identified Assignee the above-identified application for Letters Patent in the United States (hereinafter the "Application"), which has been filed with the United States Patent and Trademark Office.

AND WHEREAS, **Masimo Corporation**, with its principal place of business at 52 Discovery, Irvine, California 92618 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all Patent Properties filed or issued upon the Application and the Work, where "Patent Properties" include:

- all provisional applications relating thereto (such as U.S. Provisional Application No. 62/203,792 filed August 11, 2015);
- all nonprovisional applications claiming priority to the Application, including all divisions, continuations, and continuations-in-part, thereof;
- all Letters Patent of the United States which may be granted thereon and all reissues, reexaminations, and extensions thereof; and
- all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof.

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Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors: Ronald Keith Rumbaugh II and Kun Han Kim

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work, including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from the Application, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

[Signature pages follow]

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: MAS.991A

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Application No.: 15/233,244; Filed: August 10, 2016

Title: MEDICAL MONITORING ANALYSIS AND REPLAY INCLUDING INDICIA RESPONSIVE TO LIGHT ATTENUATED BY BODY TISSUE

Inventors: Ronald Keith Rumbaugh II and Kun Han Kim

Legal Name of inventor: Ronald Keith Rumbaugh II

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2ND day of APRIL, 2018.

Signature: RIKTR

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF ORANGE } ss.

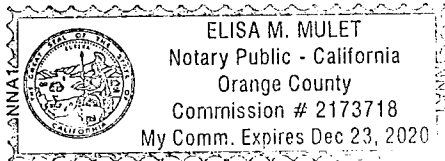
On 02 APR 2020, before me, Elisa M. Mulet, notary public, personally appeared Ronald Keith Rumbaugh II who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument, and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Elisa M. Mulet
Notary Signature

[SEAL]



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Inventors: Ronald Keith Rumbaugh II and Kun Han Kim

Legal Name of inventor: Kun Han Kim

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of January, ~~2018~~ ²⁰¹⁹ *RK*

Signature: *Ronald Keith Rumbaugh II*

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF ORANGE } ss.

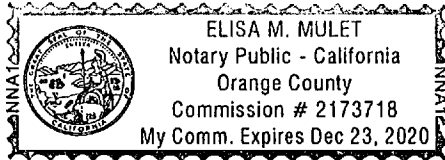
On 29 JAN 2019, before me, ELISA M. MULET, notary public, personally appeared Kun Han Kim who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument, and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Elisa M. Mulet
Notary Signature

[SEAL]



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