506165526 07/22/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RONALD COTTON	07/07/2020

RECEIVING PARTY DATA

Name:	REHABILITATION INSTITUTE OF CHICAGO D/B/A SHIRLEY RYAN ABILITYLAB
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PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	16908337
Application Number:	62864916
Application Number:	62925083

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NAME OF SUBMITTER:	HELEN MISWELL	
SIGNATURE:	/Helen Miswell for Ari M. Bai/	
DATE SIGNED:	07/22/2020	

Total Attachments: 2

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PATENT 506165526 REEL: 053275 FRAME: 0893

PATENT ASSIGNMENT

WHEREAS, I, Ronald Cotton, also known as Ronald James Cotton (referred to hereinafter as "Assignor), have contributed to certain new and useful improvements (collectively and individually referred to hereinafter as "Inventions") as disclosed and described in the U.S. Patent Applications hereinafter listed (collectively and individually referred to hereinafter as "Applications"):

- 1. U.S. Provisional Patent Application No. 62/864,916 filed June 21, 2019 and titled WEARABLE JOINT TRACKING WITH MUSCLE ACTIVITY,
- 2. U.S. Provisional Patent Application No. 62/925,083 filed October 23, 2019 and titled SYSTEMS AND METHODS FOR KINEMATIC TRACKING OF REHABILITATION PATIENTS WITH MARKERLESS POSE ESTIMATION FUSED WITH WEARABLE INERTIAL SENSORS, and
- 3. U.S. Patent Application No. 16/908,337 filed June 22, 2020 and titled WEARABLE JOINT TRACKING WITH MUSCLE ACTIVITY AND METHODS THEREOF, and

WHEREAS, Rehabilitation Institute of Chicago d/b/a/ Shirley Ryan AbilityLab., having a business address of 355 Erie Street, Chicago, IL 60611, together with any successors, assigns and legal representatives thereof (referred to hereinafter as "Assignee") is desirous of acquiring the entire right, title and interest, for all countries, in and to said Applications and any and all Letters Patent which may be granted for or upon said Inventions in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys unto Assignee the entire right, title and interest of such Assignor in and to said Inventions and said Applications, and all non-provisionals, divisionals, continuations, continuations-in-part, refilings, renewals, substitute and reissue applications thereof, and any and all Letters Patent of the United States which may be granted thereon, and all reissues, reexaminations, and extensions thereof, and all priority rights under all available international agreements, treaties and conventions for the protection of intellectual property in its various forms in every participating country, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said Inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and Assignor hereby authorizes and requests the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said Inventions to Assignee or to such nominees as it may designate;

AND Assignor hereby authorizes and empowers Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said Inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from such Assignor;

AND Assignor hereby consents that a copy of this Assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it;

AND Assignor hereby covenants that such Assignor has the full right to convey the right, title and interest herein assigned and that such Assignor has not executed and will not execute any agreement in conflict herewith;

AND Assignor hereby covenants and agrees that such Assignor will communicate to Assignee or nominees all facts known to such Assignor pertaining to said Inventions, and testify in all legal proceedings, sign all lawful papers, execute all non-provisionals, divisionals, continuations, continuations-in-part, refilings, renewals, substitute and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid Assignee or nominee in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said Inventions in any and all countries and regions.

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IN WITNESS WHEREOF, this Assignment is executed by Assignor on the date opposite the signature of Assignor.

ASSIGNOR:	
MMA Ranald Cotton	7/7/2020 Date
State of $\frac{Illinois}{County of Cook}$) ss.	
On this day of	, 2020, before me personally appeared Ronald Cotton , atisfactory evidence) to be the person named in and who dged to me that they executed the same of their own free
LIANA M DAVILA Official Seal Notary Public - State of Illinois My Commission Expires Nov 7, 2020	Notary Public My Commission Expires: 11/07/2020

RECORDED: 07/22/2020