

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6674173

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	12/18/2014
CONVEYING PARTY DATA	
Name	Execution Date
JAMES CAMPBELL CHOW	12/18/2014
RECEIVING PARTY DATA	
Name:	MICROPORT OTHOPEDICS HOLDINGS INC.
Street Address:	5677 AIRLINE ROAD
City:	ARLINGTON
State/Country:	TENNESSEE
Postal Code:	38002
PROPERTY NUMBERS Total: 6	
Property Type	Number
Application Number:	61862865
PCT Number:	IB2014002418
Application Number:	16686512
Application Number:	17143591
Application Number:	17146759
Application Number:	17219262
CORRESPONDENCE DATA	
Fax Number:	(901)867-4503
<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:	9018674503
Email:	robert.hornung@ortho.microport.com
Correspondent Name:	ROBERT J. HORNUNG
Address Line 1:	5677 AIRLINE ROAD
Address Line 4:	ARLINGTON, TENNESSEE 38003
ATTORNEY DOCKET NUMBER:	SUPERPATH
NAME OF SUBMITTER:	ROBERT J. HORNUNG
SIGNATURE:	/Robert J. Hornung/
DATE SIGNED:	04/23/2021

Total Attachments: 10

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Coversheet for recording the assignments of:

Description	Application Number	Parent Filing or 371(c) Date	Parent Status	Patent Number
	17/219,262	03-31-2021	Pending	
This application is a Continuation of	17/146,759	01-12-2021	Pending	-
is a continuation of	17/143,591	01-07-2021	Pending	-
is a continuation of	16/686,512	11-18-2019	Pending	-
is a continuation of	14/910,632	02-05-2016	Patented	10,478,317
is a National Stage Entry of	PCT/IB2014/002418	08-06-2014	Published	-
Claims Priority from Provisional Application	61/862,865	08-06-2013	Expired	-

The enclosed short form assignment expressly assigns patent application numbers 61/862,865 and PCT/IB2014/002418 to MicroPort Orthopedics Holdings Inc. and also expressly assigns any continuations, continuations-in part-divisionals, conversions, renewals, etc. to MicroPort Orthopedics Holdings Inc.

Application numbers 17/219,262, 17/146,759, 17/143,591, 16/686,512, and 14/910,632 are all continuations that trace their priority back to the provisional application 61/862,865 and are therefore also assigned to MicroPort Orthopedics Holdings Inc. by the enclosed assignment.

MicroPort Orthopedics Holdings Inc. also submits the ADS for App. No. 17/219,262, to evidence the list of US continuation applications that have been assigned to MicroPort Orthopedics Holdings Inc. as of this recording.

Applicant respectfully requests that all these assignments be recorded at the Office's earliest convenience.

Sincerely,

/Robert J. Hornung/

Robert J. Hornung

Reg. No. 72,498

Attorney for Applicant

April 23, 2021

ASSIGNMENT

For valuable consideration, the receipt of which is hereby acknowledged, Assignor, James Campbell Chow, M.D., an individual residing at 5228 N. 70th Place, Paradise Valley, Arizona 85253, USA, does hereby sell, assign, and otherwise transfer forever, to Assignee, MicroPort Orthopedics Holdings Inc., a Delaware corporation having its principal place of business at 5677 Airline Road, Arlington, Tennessee 38002-9501 and a registered office at Kellenseweg 4, 4004 JD Tiel, Netherlands, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the attached **Schedule A**, and any continuations, continuations-in-part, divisionals, conversions, renewals, foreign counterparts, or substitutes of the above identified patent application(s), and any Letters Patent, any reissue patents or reexamination patents, or any foreign patent equivalents thereof. Assignor covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. Assignor grants to Assignee and its authorized representatives the power to insert in this Assignment any further identification that may be necessary or desirable to comply with requirements for recordation of this Assignment. Assignor further agrees to: (a) cooperate with Assignee in the prosecution of the Application and foreign counterparts; (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (c) perform such other acts as Assignee lawfully may request to obtain or maintain the Patent for the invention in any and all countries.

ASSIGNOR:

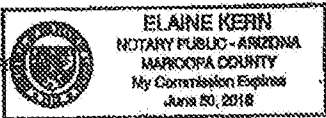
12/18/14
Date

[Signature]
James Campbell Chow

State of ARIZONA
County of MARICOPA

I, Elaine Kern, a Notary Public for said County and State, do hereby certify that James Campbell Chow personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 18th day of December, 2014.

(Official Seal) 

Elaine Kern
Notary Public

My commission expires June 30, 2016

SCHEDULE A

Jimmy Chow
Assignment of Patents

Patent Applications					
Description/Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
Orthopedic Systems and Methods	US61/862,865	August 6, 2013	N/A	N/A	Expired; converted to PCT prior to expiration
Methods and Tools for Hip Replacement with Supracapsular Percutaneously Assisted Total Hip Approach	PCT/IB2014/002418	August 6, 2014	N/A	N/A	Pending

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MicroPort-028-US5
		Application Number	
Title of Invention	Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Inventor Information:

Inventor	1				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name		Suffix	
	James		Chow			
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City	Paradise Valley	State/Province	AZ	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	5528 70th Place					
Address 2						
City	Paradise Valley	State/Province	AZ			
Postal Code	85253	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						
Add						

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	157935		
Email Address	ssentilles@walkcook.com	Add Email	Remove Email

Application Information:

Title of the Invention	Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach		
Attorney Docket Number	MicroPort-028-US5	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	44	Suggested Figure for Publication (if any)	

Filing By Reference :

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MicroPort-028-US5
		Application Number	
Title of Invention	Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach		

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	157935		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the application number blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	17146759	2021-01-12
Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
17146759	Continuation of	17143591	2021-01-07
Prior Application Status	Pending	Remove	

PATENT

REEL: 056026 FRAME: 0878

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		MicroPort-028-US5	
		Application Number			
Title of Invention		Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach			

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
17143591	Continuation of	16686512	2019-11-18		
Prior Application Status	Pending	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
16686512	Continuation of	14910632	2016-02-05		
Prior Application Status	Patented	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14910632	a 371 of international	PCT/IB2014/002418	2014-08-06	10478317	2019-11-19
Prior Application Status	Expired	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
PCT/IB2014/002418	Claims benefit of provisional	61862865	2013-08-06		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.				Add	

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove			
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MicroPort-028-US5
		Application Number	
Title of Invention	Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach		

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. ☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.
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Authorization to Permit Access:

☐ Authorization to Permit Access to the Instant Application by the Participating Offices If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application. In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application. In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MicroPort-028-US5
		Application Number	
Title of Invention	Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach		

Applicant	1 Remove		
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. Clear			
☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor :			
If the Applicant is an Organization check here. ☒			
Organization Name	MicroPort Orthopedics Holdings Inc.		
Mailing Address Information For Applicant:			
Address 1	5677 Airline Road		
Address 2			
City	Arlington	State/Province	TN
Country	US	Postal Code	38002
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Assignee	1 Remove		
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.			
If the Assignee or Non-Applicant Assignee is an Organization check here. ☒			

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	MicroPort-028-US5
		Application Number	
Title of Invention	Methods and Tools for Hip Replacement with Superscapsular Percutaneously Assisted Total Hip Approach		

Organization Name	MicroPort Orthopedics Holdings Inc.
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Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1	5677 Airline Road		
Address 2			
City	Arlington	State/Province	TN
Country i	US	Postal Code	38002
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Signature	/Shawn Sentilles/		Date (YYYY-MM-DD)	2021-03-31	
First Name	Shawn	Last Name	Sentilles	Registration Number	38299

Additional Signature may be generated within this form by selecting the Add button.

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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