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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5636893

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GARTH A. ELIAS	05/02/2018
MARK SCAIFE	03/30/2018
PETER D. ALLEN	05/23/2018

RECEIVING PARTY DATA

Name:	UPMC
Street Address:	600 GRANT STREET
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15219

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16480926	

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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.

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Email: tamara.daw@klarquist.com KLARQUIST SPARKMAN, LLP **Correspondent Name:** Address Line 1: 121 SW SALMON STREET

Address Line 2: **SUITE 1600**

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	8123-97679-03
NAME OF SUBMITTER:	SANDON M. DUNCAN
SIGNATURE:	/Sandon M. Duncan/
DATE SIGNED:	07/25/2019

Total Attachments: 4

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> **PATENT REEL: 049863 FRAME: 0470** 505590093

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PATENT REEL: 049863 FRAME: 0471

ASSIGNMENT

WHEREAS, we, Garth A. Elias, of Pittsburgh, PA, Mark Scaife, of Pittsburgh, PA, and Peter D. Allen, of Pittsburgh, PA, have, along with others, invented a certain invention, entitled ADJUSTABLE RETAINING ARM SYSTEM, for which the following application has been filed:

PCT Patent Application No. PCT/US2018/016594, filed on February 2, 2018, the application is referred to as "the patent application."

WHEREAS, UPMC, a corporation of the Commonwealth of Pennsylvania, having a place of business at 600 Grant Street, Pittsburgh, Pennsylvania 15219, desires to acquire an interest therein; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, and transfer to the UPMC all of our rights, title, and interest in and to said invention, the patent application, and patent rights throughout the world, including foreign patent priority rights, our rights to file and prosecute International Applications under the Patent Cooperation Treaty, and our right to file and prosecute applications under the European Patent Convention; our rights in said invention, the patent application, and any resulting patents in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by the UPMC, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to the UPMC, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid the UPMC, its successors, and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that, at the time the invention was made, we were under an obligation to assign the invention to the UPMC.

At Pittsburgh, Pennsyle (City and State)	Garth/A. Elias
(City and State) on this day of, 2018.	
COMMONWEALTH OF PENNSYLVANIA	•
COUNTY OF ALLEGHENY) ss.)
This <u>Z</u> day of <u>Minary</u> , 20 <u>J&</u> , Garth A. Elias, who executed the foregoing instru- to me that this instrument was executed by Garth forth therein.	before me personally came the above-named ument in my presence, and who acknowledged A. Elias's own free will for the purpose set
	Diana C. Donnell
	Notary Public For
	My commission expires:
SEAL]	COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Dianne C. Donnelly, Notary Public Baldwin Boro, Allegheny County My Commission Expires May 2, 2020 YEMBER, PENNSYLVANIA ASSOCIATION OF NOTES ES

Executed at the place and date opposite our respective signatures below.

[SEAL]

	Mark Scaife
At $\frac{P_i + f_s h_{Urgh} \int ennsylvan_i}{\text{(City and State)}}$ on this $\frac{30}{2}$ day of $\frac{100}{2}$ day.	
COMMONWEALTH OF PENNSYLVANIA COUNTY OF ALLEGHENY)) ss.)
This 30 day of March, 20/8, Mark Scaife, who executed the foregoing instrumment that this instrument was executed by Mark Scatherein.	
COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Dianne C. Donnelly, Notary Public Baldwin Boro, Allegheny County My Commission Expires May 2, 2020 MEMBER PENNSYLVANIA ASSOCIATION OF NOTARIES	Notary Public For My commission expires: May 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,

	W.	Add to	Alex A Committee
At Pitts burgh, Pennsylvania	Peter D. Allen		Company of the Compan
on this 23 day of, 20/8.	-		
COMMONWEALTH OF PENNSYLVANIA)			
COUNTY OF ALLEGHENY	SS.		

This 23 day of ______, 20/8, before me personally came the above-named Peter D. Allen, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Peter D. Allen's own free will for the purpose set forth therein.

Dianne C. Donnelly
Notary Public
My Commission expires 'May 2, 2020

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

Dianne C. Donnelly, Notary Public
Baldwin Boro, Allegheny County
My Commission Expires May 2, 2020

MEUSER PENNSYLVANIA ASSOCIATION OF NOTAR ES