

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BENJAMIN T. RISTAU	06/14/2017
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<b>City:</b>	PITTSBURGH
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15219
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16077229
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<b>ATTORNEY DOCKET NUMBER:</b>	8123-96281-03
<b>NAME OF SUBMITTER:</b>	SANDON M. DUNCAN
<b>SIGNATURE:</b>	/Sandon M. Duncan/
<b>DATE SIGNED:</b>	08/10/2018
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, I, Benjamin T. Ristau, of Philadelphia, Pennsylvania, have, along with others, invented a certain invention, entitled FIBEROPTIC CABLE SAFETY DEVICES, for which the following application was filed:

PCT Patent Application No. PCT/US2017/017171, filed on February 9, 2017, the application is referred to as "the patent application."

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

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, Benjamin T. Ristau hereby sell, assign and transfer to UPMC, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application and letters patent 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 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 me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to UPMC, or its successors and assigns, any facts known to me 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 UPMC, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

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

I hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

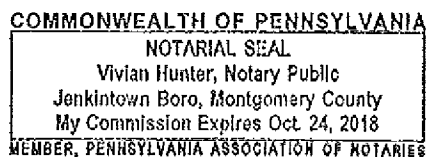
Executed at the place and date opposite my signature below.

  
Benjamin T. Ristau

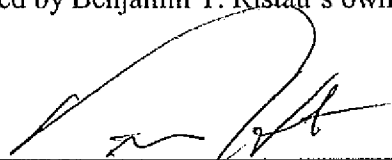
At Philadelphia, PA  
(City and State)  
on this 14 day of JUNE, 20 17.

COMMONWEALTH OF )  
PENNSYLVANIA )  
COUNTY OF MONTGOMERY ) ss.

This 14<sup>th</sup> day of JUNE, 20 17, before me personally came the above-named Benjamin T. Ristau, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Benjamin T. Ristau's own free will for the purpose set forth therein.



[SEAL]

  
Notary Public For  
My commission expires: 10-24-18