

## 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>
	MARK A. VOGEL	05/04/2018
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15971477
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<b>NAME OF SUBMITTER:</b>	THOMAS D. HUYCKE	
<b>SIGNATURE:</b>	/Thomas D. Huycke/	
<b>DATE SIGNED:</b>	05/04/2018	
<b>Total Attachments: 2</b>		
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source=Assignment#page2.tif		

**ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, I, Mark A. Vogel, a citizen of the United States, residing at 15 Cardinal Dr., Greenville, SC 29609, as assignor, have made an invention entitled

**"A HIGH DENSITY PATCH PANEL WITH MODULAR CASSETTES"**

as described in a patent application for U.S. Letters Patent executed by me on even date herewith, which is about to be filed in the U.S. Patent and Trademark Office; and

**WHEREAS**, AFL TELECOMMUNICATIONS LLC, 170 Ridgeview Center Drive, Duncan, South Carolina 29334, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

**NOW, THEREFORE**, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have assigned, transferred, and set over, and do hereby assign, transfer, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

**AND, I HEREBY** covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, I HEREBY** further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known

to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**IN WITNESS WHEREOF**, Assignor has executed this document on the date indicated below.

  
\_\_\_\_\_  
Mark A. Vogel

5/14/18  
\_\_\_\_\_  
Date