505310976 02/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5357756

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAJESH KAMATH	11/25/2018
BRETT VILLIGER	01/29/2019

RECEIVING PARTY DATA

Name:	AFL TELECOMMUNICATIONS LLC	
Street Address:	170 RIDGEVIEW CENTER DRIVE	
City:	DUNCAN	
State/Country:	SOUTH CAROLINA	
Postal Code: 29334		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16302388

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	AFLACS-138-PCT-US	
NAME OF SUBMITTER:	THOMAS D. HUYCKE	
SIGNATURE:	/Thomas D. Huycke/	
DATE SIGNED:	02/04/2019	

Total Attachments: 3

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PATENT 505310976 REEL: 048227 FRAME: 0937

ATTORNEY DOCKET NUMBER: AFLACS-138-PCT-US

ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Rajesh Kamath, a citizen of India, residing in Kent, WA; and Brett Villiger, a citizen of the United States, residing in Simpsonville, SC, as assignors, have made an invention entitled:

"DOWNHOLE STRAIN SENSING CABLES"

as described in a patent application for U.S. Letters Patent bearing U.S. Serial No. 16/302,388 which was filed in the U.S. Patent and Trademark Office on November 16, 2018; and

WHEREAS, AFL Telecommunications LLC, 170 Ridgeview Center Drive, Duncan, SC 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, we, as assignors, have assigned, transferred, and set over, and do hereby assign, transfer, and set over unto the assignee, its lawful successors and assigns, our 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 we 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, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

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AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us 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, Assignors have executed this document on the date indicated below.

Rajesh Kamath	Date
Lettle -	1-29-19
Brett Villiger	Date

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us 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, Assignors have executed this document on the date indicated below.

Rajesh Kamath	11) 25 / 2016 Date
 Brett Villiger	Date