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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL LEWALLEN	05/09/2014
KENNETH D. FULLETT	05/21/2014

RECEIVING PARTY DATA

Name:	TELLABS OPERATIONS, INC.
Street Address:	1415 WEST DIEHL ROAD
City:	NAPERVILLE
State/Country:	ILLINOIS
Postal Code:	60563

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14187080	

CORRESPONDENCE DATA

Fax Number: (212)218-2200

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.

Email: mguzniczak@fchs.com

FITZPATRICK, CELLA, HARPER & SCINTO Correspondent Name:

Address Line 1: 1290 AVENUE OF THE AMERICAS Address Line 4: NEW YORK, NEW YORK 10104-3800

ATTORNEY DOCKET NUMBER:	02495.000360	
NAME OF SUBMITTER:	MICHAEL J. GUZNICZAK	
SIGNATURE:	/Michael J. Guzniczak/	
DATE SIGNED:	05/22/2014	

Total Attachments: 2

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> **PATENT** REEL: 032949 FRAME: 0667 502820722

ASSIGNMENT RE NON-PROVISIONAL APPLICATION

FOR VALUE RECEIVED. I/we

DANIEL LEWALLEN, citizen of United States of America, residing at Dallas, Texas, AND

KENNETH D. FULLETT, citizen of United States of America, residing at Naperville, Illinois,

hereby sell, assign, transfer and convey unto TELLABS OPERATIONS. INC.

a corporation of Delaware

having a place of business at 1415 West Diehl Road, Naperville, Il 60563

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire rights, title and interest, for all countries, in and to certain inventions relating to

PROCEDURES, APPARATUSES, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR MICROWAVE THROUGHPUT FEEDBACK AND NETWORK ACTION USING SOFTWARE DEFINED NETWORKING (Attorney Docket No. 02495.000360.)

and described in an application for Letters Patent of the United States filed herewith or in U.S. Patent Application No. 14/187.080 filed on the 21st day of February, 2014 and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof, and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we hereby authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I/we hereby covenant that I/we have the full right to convey the entire rights, title and interest herein assigned, that I/we have not executed and will not execute any agreement in conflict herewith, and that this document has been executed in accordance with the laws of the place of execution

AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

AND I/we hereby authorize the attorneys of Fitzpatrick, Cella, Harper & Scinto to insert in the spaces above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s)

Name	Signature	Date	Place of	Execution	
Daniel Lewallen	- 1 X	ud — i i			
Kenneth D. Fullett	Tariet Tille	1 721/20	14		:

Page 1 of 1 FCHS_WS 10135995v1.doc

ASSIGNMENT RE NON-PROVISIONAL APPLICATION

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and described in an application for Letters Patent of the United States filed herewith or in U.S. Patent Application No. 14/187,080 filed on the 21st day of February, 2014 and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I/we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I/we hereby authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

AND I/we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

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AND I/we hereby covenant and agree that I/we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

AND I/we hereby authorize the attorneys of Fitzpatrick, Cella, Harper & Scinto to insert in the spaces above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s):

Name	Signature	Date	Place of Execution
Daniel Lewallen	Oan Lavelle	5/9/2014	Home
Kenneth D. Fullett			

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PATENT REEL: 032949 FRAME: 0669

RECORDED: 05/22/2014