PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4492569

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER KEN ASHWORTH	06/20/2016
PATRICK LEE COOK	06/20/2016
VERNON ALAN VANBUREN	06/28/2016

RECEIVING PARTY DATA

Name:	WILSON ELECTRONICS, LLC
Street Address:	3301 EAST DESERET DRIVE
City:	ST. GEORGE
State/Country:	UTAH
Postal Code:	84790

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15479557

CORRESPONDENCE DATA

Fax Number: (801)566-0750

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.

Phone: 801-566-6633

Email: michelle.orton-brown@tnw.com THORPE NORTH & WESTERN, LLP. **Correspondent Name:**

Address Line 1: P.O. BOX 1219

Address Line 4: SANDY, UTAH 84091-1219

ATTORNEY DOCKET NUMBER:	3969-049.NP.US.01	
NAME OF SUBMITTER:	ALEX W. HAYMOND	
SIGNATURE:	/Alex W. Haymond/	
DATE SIGNED:	07/06/2017	

Total Attachments: 4

source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif

> **PATENT REEL: 042927 FRAME: 0056** 504445868

Docket No. 3969-049.PROV.US.01

WHEN RECORDED RETURN TO:
Alex W. Haymond
Thorpe North & Western, LLP
P.O. Box 1219
Sandy, UT 84091-1219

ASSIGNMENT

WHEREAS, we, Patrick Lee Cook (resident of the State of Utah, whose postal mailing address is 1352 South Cross Hollow Drive, Cedar City, Utah 84720),

Christopher Ken Ashworth (resident of the State of Utah, whose postal mailing address is 1321 North 1390 West, St. George, Utah 84770), and Vermon Alan VanBuren (resident of the State of Nevada whose postal mailing address is 3585 Cochise Lane, Las Vegas, Nevada 89169), (hereinafter "Assignors") have invented a certain new and useful improvement in a NARROWBAND SIGNAL DETECTION FOR BROADBAND

NETWORK PROTECTION for which an application for United States Letters Patent was filed on April 5, 2016 as THORPE NORTH & WESTERN, LLP Docket No. 3969-049.PROV.US.01, and given U.S. Patent Application Serial No. 62/318,562; (Thorpe North & Western, LLP is hereby authorized to insert the specified data, when known) and:

WHEREAS, Wilson Electronics, LLC, a limited liability company, organized and existing under the laws of the State of Delaware, having a business address of 3301 East Deseret Drive, St. George, Utah 84790, (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent

PATENT REEL: 042927 FRAME: 0057 Assignment of US Patent Application Docket No: 3969-049.PROV.US.01

Page 2 of 3

Application and in all provisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; and cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or

PATENT REEL: 042927 FRAME: 0058 proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives

PATRICK LEE COOK

PATRICK LEE COOK

PATRICK LEE COOK

CHRISTOPHER KEN ASHWORTH

Date signed

VERNON ALAN VANBUREN

Date signed

proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

PATRICK LEE COOK	Date signed
CHRISTOPHER KEN ASHWORTH	Date signed
Vernen Harbelinen	6-28-2016
VERNON ÁLAN VANBUREN	Date signed

PATENT REEL: 042927 FRAME: 0060

RECORDED: 07/06/2017