

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CARSTEN HOIRUP	02/22/2011
	KEITH MANSEN	02/22/2011
	MATTHEW GREENE	02/22/2011
RECEIVING PARTY DATA		
Name:	PARATEK MICROWAVE, INC.	
Street Address:	22 TECHNOLOGY WAY	
Internal Address:	MILLYARD TECHNOLOGY PARK	
City:	NASHUA	
State/Country:	NEW HAMPSHIRE	
Postal Code:	03060	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16557611
CORRESPONDENCE DATA		
Fax Number:	(847)510-0710	
<i>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.</i>		
Phone:	8473821501	
Email:	DOCKETING@GGIP.COM	
Correspondent Name:	GUNTIN & GUST, PLC	
Address Line 1:	304 INDIAN TRACE #750	
Address Line 4:	WESTON, FLORIDA 33326	
ATTORNEY DOCKET NUMBER:	10209-0117-05 1/4	
NAME OF SUBMITTER:	STACEY A. HILL	
SIGNATURE:	/Stacey A. Hill/	
DATE SIGNED:	01/07/2020	
Total Attachments: 4		
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ASSIGNMENT

WHEREAS, We, Carsten Hoirup, residing at Crystal Lake, IL, Keith Manssen, residing at Bull Valley, IL, and Matthew Greene, residing at, Crystal Lake, IL, hereinafter called the "Assignor(s)", have made the invention described in the United States Patent Application entitled METHOD AND APPARATUS FOR RADIO ANTENNA FREQUENCY TUNING; Attorney Docket No. 10209-0117, U.S. Patent Application No. 13/030,177 filed February 18, 2011 for a full description of which reference is here made to an application for Letters Patent of the United States filed on herewith and,

WHEREAS, PARATEK MICROWAVE, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 22 Technology Way, Millyard Technology Park, Nashua, NH 03060, hereinafter called the "Assignee", desires to acquire the entire right, title and interest for the United States of America and elsewhere throughout the world in and to said invention and the patent application identified above, including any and all divisions and continuations thereof and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor(s) have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefore in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents.

AND said Assignor(s) hereby covenant and agree, for both the Assignor(s) and the Assignor(s)' legal representatives, that the Assignor(s) will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor(s) will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignor(s) authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

AND said Assignor(s) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any all divisions and continuations thereof, to said Assignee, its assigns and legal representatives, in accordance with the terms of this Assignment.

The ASSIGNOR(S) hereby appoint registered patent practitioners associated with the patent application identified above as my representatives with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, to amend the specification, to appeal in case of rejection, as may be deemed advisable, to receive the patent when granted and generally to do all matters and things needful and additionally to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

This Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.

IN TESTIMONY WHEREOF, this Assignment is executed by said Assignor(s), on the date(s) listed below.

 2/22/2011
 Carsten Holrup Date

JOHN H. SPEARS  2/22/2011
 First Witness (Print Name) Signature Date

Daniel Schlacter  2/22/2011
 Second Witness (Print Name) Signature Date

Keith Manissen 2-22-11
Keith Manissen Date

JOHN H. SPEARS [Signature] 2/22/2011
First Witness (Print Name) Signature Date

David Schlueter [Signature] 2/22/2011
Second Witness (Print Name) Signature Date

Matthew Greene 2/22/2011
Matthew Greene Date

JOHN W SPEARS [Signature] 2/22/2011
First Witness (Print Name) Signature Date

David Schluter [Signature] 2/22/2011
Second Witness (Print Name) Signature Date