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| FORM PTO-1595 RECORDATION FORM COVER SHEET U<br>(Rev. 6-93) Patent and Trademark Office<br>OMB No. 0651-0011 (exp. 4/94) PATENTS ONLY<br>Tab settings <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>  |  | <b>04-06-2005</b><br><br><b>102973492</b>  | <input type="checkbox"/><br>attached original documents or |
| To the Honorable Commissioner of Patents<br>copy thereof.  |  | Name and address of conveying party(ies):<br><br>Paratek Microwave, Inc.<br><br>Street Address:<br><br>6935-N Oakland Mills Road<br>Columbia, Maryland 21045<br><br><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |
| 1. Name of conveying party(ies):<br><br>Nicolaas D. du Toit<br>Ernest P. Ekelman<br>Shuquanq Chen<br>Louise C. Sengupta<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  |  |  |
| 3. Nature of conveyance:<br><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other<br><br>Execution Date: <u>January 12, 2005; January 12, 2005; January 27, 2005; and January 12, 2005, respectively.</u>  |  | Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br><div style="text-align: center; transform: rotate(-90deg);">             APR -4 AM 9:03<br/>             OPR/FINANCE           </div>                            |  |
| 4. Application number(s) or patent number(s): <u>10/413,265 (Filed April 14, 2003)</u><br><br>If this document is being filed together with a new application, the execution date of the application is:<br><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br><br>William J. Tucker, Esq.<br>14431 Goliad Dr.<br>Malakoff, TX 75148   |  | 6. Total number of applications and patents involved: One (1)  |  |
|  |  | 7. Total fee (37 C.F.R. 3.41): <u>\$. 40.00</u><br><br><input checked="" type="checkbox"/> Enclosed<br><br><input type="checkbox"/> Authorized to be charged to deposit account  |  |
|  |  | 8. Deposit account number: <u>50-1481</u><br>(Attach duplicate copy of this page if paying by deposit account)   |  |
| <b>DO NOT USE THIS SPACE</b>   |  |  |  |
| 9. Statement and signature.<br><br>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.<br><br><div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;"> <u>William J. Tucker</u><br/>           Name of Person Signing         </div> <div style="width: 30%; text-align: center;"> <br/>           Signature (Reg. No. 41,356)         </div> <div style="width: 20%; text-align: center;"> <u>April 1, 2005</u><br/>           Date         </div> </div> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and document: _____</p> |  |  |  |

Mail documents to be recorded with required cover sheet information to:

 Commissioner for Patents, P.O. Box 1450, M/S Assignments  
 Alexandria, VA 22313-1450

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## ASSIGNMENT

WHEREAS, we, **Nicolaas D. du Toit, Ernest P. Ekelman, Shuguang Chen and Louise C. Sengupta** have invented certain new and useful improvements in the following:

**SMART RADIO INCORPORATING PARASCAN® VARACTORS EMBODIED WITHIN AN  
INTELLIGENT ADAPTIVE RF FRONT END**

for which we have made an application for United States Letters Patent; and,

WHEREAS, **PARATEK MICROWAVE, INC.**, a corporation organized and existing under the laws of Delaware, having its principal place of business at 6935-N Oakland Mills Road, Columbia, MD 21045 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives our entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations-in-parts and continuations thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as each of our interests are concerned, to the said ASSIGNEE.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to either of us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

We further authorize and direct our attorneys to insert below\* the serial number and filing date of said application now identified as Case Docket No. JSF001-0013 (WJT08-0066) as soon as the same shall have been made known to them by the United States Patent Office.

\*Serial Number: 10/413,265

Filing Date: April 14, 2003

#### INVENTORS

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12 day of January 2005.

*Nicolaas D du Toit*  
Nicolaas D du Toit  
10258 Rutland  
Columbia MD 21044  
Round Rd  
Elliott City, MD 21042

State of Maryland §  
County of Baltimore §

§ ss.:

USA

On this 12 day of January, before me, a Notary Public in and for the State and County aforesaid, personally appeared, Nicolaas D du Toit known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

*Susan Debera Morrison*  
Notary Public

My Commission Expires:

SUSAN DEBERA MORRISON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires January 9, 2008

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12<sup>th</sup> day of JAN, 2005.

Ernest P. Ekelman  
Ernest P. Ekelman  
26801 Grace Court  
Damascus, MD 21042

State of Maryland §  
County of Baltimore § ss.:

On this 12 day of January, before me, a Notary Public in and for the State and County aforesaid, personally appeared, Ernest P. Ekelman known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

Susan Debera Morrison  
Notary Public

My Commission Expires:  
SUSAN DEBERA MORRISON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires January 9, 2008

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 27<sup>th</sup> day of Jan, 2005.

Shuguang Chen  
Shuguang Chen  
3012 Katherine Place  
Ellicott City, MD 21042

State of Maryland §  
County of Baltimore § ss.:

On this 27 day of January 2005, before me, a Notary Public in and for the State and County aforesaid, personally appeared, Shuguang Chen known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

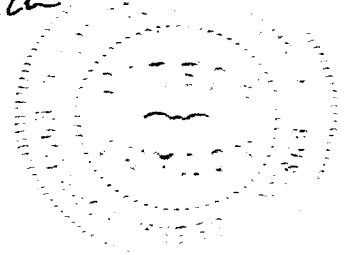
Susan Debera Morrison  
Notary Public

My Commission Expires:

SUSAN DEBERA MORRISON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires January 9, 2008

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 12<sup>th</sup> day of January, 2005.

Louise C. Sengupta  
Louise C. Sengupta  
3210 Boones Lane  
Ellicott City, MD 21042



State of Maryland §

§ ss.:

County of Baltimore §

On this 12 day of January, before me, a Notary Public in and for the State and County aforesaid, personally appeared, Louise C. Sengupta known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

Susan Debera Morrison  
Notary Public

My Commission Expires:

SUSAN DEBERA MORRISON  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires January 9, 2008