

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>SHASHA LOU</td> <td>01/30/2012</td> </tr> <tr> <td>SONG LIU</td> <td>01/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	SHASHA LOU	01/30/2012	SONG LIU	01/30/2012						
Name	Execution Date												
SHASHA LOU	01/30/2012												
SONG LIU	01/30/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>GOERTEK INC.</td> </tr> <tr> <td>Street Address:</td> <td>NO. 268 DONGFANG ROAD</td> </tr> <tr> <td>Internal Address:</td> <td>HI-TECH INDUSTRY DEVELOPMENT DISTRICT</td> </tr> <tr> <td>City:</td> <td>WEIFANG</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>261031</td> </tr> </table>		Name:	GOERTEK INC.	Street Address:	NO. 268 DONGFANG ROAD	Internal Address:	HI-TECH INDUSTRY DEVELOPMENT DISTRICT	City:	WEIFANG	State/Country:	CHINA	Postal Code:	261031
Name:	GOERTEK INC.												
Street Address:	NO. 268 DONGFANG ROAD												
Internal Address:	HI-TECH INDUSTRY DEVELOPMENT DISTRICT												
City:	WEIFANG												
State/Country:	CHINA												
Postal Code:	261031												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13389367</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13389367								
Property Type	Number												
Application Number:	13389367												
CORRESPONDENCE DATA													
<p>Fax Number: (212)704-8356</p> <p>Phone: 212-704-6000</p> <p>Email: gail.chamberlain@troutmansanders.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Troutman Sanders LLP</p> <p>Address Line 1: The Chrysler Building</p> <p>Address Line 2: 405 Lexington Avenue</p> <p>Address Line 4: New York, NEW YORK 10174</p>													
ATTORNEY DOCKET NUMBER:	237416-000005												
NAME OF SUBMITTER:	KEVIN HE												
<p>Total Attachments: 2</p> <p>source=ASSIGNMENTLiu5#page1.tif</p> <p>source=ASSIGNMENTIou5#page1.tif</p>													

CH \$40.00 13389367

## ASSIGNMENT

WHEREAS I, Liu, Song, [hereinafter referred to as Assignor], have made an invention entitled: APPATATUS AND METHOD FOR CANCELLING ECHO IN JOINT TIME DOMAIN AND FREQUENCY DOMAIN, for which I am the listed inventor for the application for United States Letters Patent referred to below as the Formal Application;

WHEREAS GOERTEK INC., whose mailing address is No.268 DongFang Road, Hi-Tech Industry Development District WeiFang, Shandong 261031, P.R. China (hereinafter referred to 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 above-identified Formal 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, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY entire right, title, and interest in and to this invention, the above-identified patent 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 Patents 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 of Patents and Trademarks 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 of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;


AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME 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 by necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuing, 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 prosecution 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;

AND, I HEREBY further covenant and agree that I will assign, and hereby do assign, to Assignee, its lawful successors and assigns, MY entire right, title, and interest in and to any and all patent applications, both United States and foreign, and all Letters Patent that may be granted thereon, that claim priority to this invention or to the above-identified provisional or non-provisional applications in any manner, such applications specifically including, but not limited to, divisionals, continuations, continuations-in-part, and all other provisional and non-provisional applications.

Assignor: Liu, Song

Address of Assignor:

No.268 DongFang Road, Hi-Tech Industry Development District  
WeiFang, Shandong 261031  
P.R. China



Assignor's Signature

Date: 2012.1.30.

# ASSIGNMENT

WHEREAS I, Lou, Shasha, [hereinafter referred to as Assignor], have made an invention entitled: APPATUS AND METHOD FOR CANCELLING ECHO IN JOINT TIME DOMAIN AND FREQUENCY DOMAIN, for which I am the listed inventor for the application for United States Letters Patent referred to below as the Formal Application;

WHEREAS GOERTEK INC., whose mailing address is No.268 DongFang Road, Hi-Tech Industry Development District WeiFang, Shandong 261031, P.R. China (hereinafter referred to 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 above-identified Formal 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, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY entire right, title, and interest in and to this invention, the above-identified patent 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 Patents 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 of Patents and Trademarks 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 of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

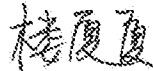
AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may by necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuing, 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 prosecution 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;

AND, I HEREBY further covenant and agree that I will assign, and hereby do assign, to Assignee, its lawful successors and assigns, MY entire right, title, and interest in and to any and all patent applications, both United States and foreign, and all Letters Patent that may be granted thereon, that claim priority to this invention or to the above-identified provisional or non-provisional applications in any manner, such applications specifically including, but not limited to, divisionals, continuations, continuations-in-part, and all other provisional and non-provisional applications.

Assignor: Lou, Shasha

Address of Assignor:

No.268 DongFang Road, Hi-Tech Industry Development District  
WeiFang, Shandong 261031  
P.R. China



Assignor's Signature

Date:

2012年1月30日