

PATENT ASSIGNMENT COVER SHEET

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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>HUARONG LIU</td> <td>05/23/2012</td> </tr> <tr> <td>PING CHEN</td> <td>05/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	HUARONG LIU	05/23/2012	PING CHEN	05/23/2012
Name	Execution Date						
HUARONG LIU	05/23/2012						
PING CHEN	05/23/2012						
RECEIVING PARTY DATA							
Name:	38TH RESEARCH INSTITUTE, CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION						
Street Address:	P.O. BOX 9023, 199, XIANGZHANG AVENUE						
Internal Address:	HI-TECH ZONE						
City:	HEFEI, ANHUI						
State/Country:	CHINA						
Postal Code:	230088						
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>13512396</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13512396		
Property Type	Number						
Application Number:	13512396						
CORRESPONDENCE DATA							
Fax Number:	(612)332-9081						
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Address Line 2:	MERCHANT & GOULD P.C.						
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402						
ATTORNEY DOCKET NUMBER:	13496.0009FPWO						
NAME OF SUBMITTER:	TONG WU						
Signature:	/Tong Wu/						

PATENT

Date:

12/04/2013

Total Attachments: 2

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INSTRUCTIONS

US ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name,
Address, Citizenship

- 1. Huarong LIU residing at P. O. Box 9023, 199, Xiangzhang Avenue, Hi-Tech Zone, Hefei, Anhui 230088, China and a citizen of China;
- 2. Ping CHEN residing at P. O. Box 9023, 199, Xiangzhang Avenue, Hi-Tech Zone, Hefei, Anhui 230088, China and a citizen of China;

Check the appropriate box and fill in the requested information:

- select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution;
- select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation;
- select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or
- select the fourth check box if the application will be filed with the application.

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled PARTICLE SOURCES AND METHODS FOR MANUFACTURING THE SAME and which:

- is the national stage application of International Application No. PCT/CN2012/075085 filed on May 4, 2012;
- will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No. _____, filed _____) this application's U.S. Serial Number and filing date, when known;
- was filed on _____ and was given U.S. Serial No. _____; or
- is filed concurrently herewith;

Name of Corporation

AND WHEREAS 38TH RESEARCH INSTITUTE, CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION (herein called "ASSIGNEE"), a corporation organized under the laws of China, and having an office and place of business at P. O. Box 9023, 199, Xiangzhang Avenue, Hi-Tech Zone, Hefei, Anhui 230088, China

State or Country of
Incorporation and Address

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for the United States in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or

extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Note: No legalization or other witness required

<u> <i>liu huang</i> </u>	<u> May 23, 2012 </u>
Signature	Date
<u> Chen Ping </u>	<u> May 23, 2012 </u>
Signature	Date