

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark A. Erickson</td> <td>04/28/2005</td> </tr> <tr> <td>Sunil Shah</td> <td>04/24/2005</td> </tr> </tbody> </table>		Name	Execution Date	Mark A. Erickson	04/28/2005	Sunil Shah	04/24/2005
Name	Execution Date						
Mark A. Erickson	04/28/2005						
Sunil Shah	04/24/2005						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	Tokyo Electron Limited						
<b>Street Address:</b>	Akasaka Biz Tower, 3-1 Akasaka 5-chome, Minato-ku						
<b>City:</b>	Tokyo						
<b>State/Country:</b>	JAPAN						
<b>Postal Code:</b>	107-6325						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>7349480</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	7349480		
Property Type	Number						
Patent Number:	7349480						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(513)241-6234						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Phone:</b>	5132412324						
<b>Email:</b>	aharrison@whepatent.com						
<b>Correspondent Name:</b>	Wood, Herron & Evans, L.L.P.						
<b>Address Line 1:</b>	441 Vine St.						
<b>Address Line 2:</b>	2700 Carew Tower						
<b>Address Line 4:</b>	Cincinnati, OHIO 45202						
<b>ATTORNEY DOCKET NUMBER:</b>	VOY-023US						
<b>NAME OF SUBMITTER:</b>	Joseph R. Jordan						

**OP \$40.00 7349480**

Total Attachments: 4  
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ASSIGNMENT OF INVENTION

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole or joint inventor as indicated below, of certain new and useful improvements in MULTILINE TRANSMISSION IN COMMUNICATION SYSTEMS.

AND WHEREAS, TOKYO ELECTRON LIMITED, a Japanese corporation with offices at TBS Broadcast Center, 3-6 Akasaka 5-Chome, Minato-Ku, Tokyo 107 Japan, (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto.

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto.

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense.

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto.

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with the assignment and sale.

And I hereby authorize and request any one of my attorneys of Wood, Herron & Evans, L.L.P., 441 Vine Street, 2700 Carew Tower, Cincinnati, Ohio 45202, to insert in the spaces that follow the application serial number of said application when known.

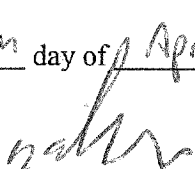
Serial Number: 10/517,090, Filing Date: August 30, 2005.

This assignment executed on the dates indicated below.

IN WITNESS WHEREOF, I hereto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2005

\_\_\_\_\_  
Michail Tsatsanis  
Address: 444 Saratoga Ave. #35C  
Santa Clara, CA 95050  
Citizenship:

IN WITNESS WHEREOF, I hereto set my hand this 28th day of April, 2005

  
\_\_\_\_\_  
Mark A. Erickson  
Address: 421 35<sup>th</sup> St.  
Sacramento, CA 95816  
Citizenship: USA

IN WITNESS WHEREOF, I hereto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2005

\_\_\_\_\_  
Sunil Shah  
Address: 637 Linden Ave.  
Los Altos, CA 94022  
Citizenship: USA

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Michail Tsatsanis  
Address: 444 Saratoga Ave. #35C  
Santa Clara, CA 95050  
Citizenship:

IN WITNESS WHEREOF, I hereto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2005

\_\_\_\_\_  
Mark A. Erickson  
Address: 421 35<sup>th</sup> St.  
Sacramento, CA 95816  
Citizenship: USA

IN WITNESS WHEREOF, I hereto set my hand this 24<sup>th</sup> day of April, 2005

Sunil C. Shah  
Sunil Shah  
Address: 637 Linden Ave.  
Los Altos, CA 94022  
Citizenship: USA