## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

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<tr>
<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
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<td>NATURE OF CONVEYANCE:</td>
<td>ASSIGNMENT</td>
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### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Arthur J Learn</td>
<td>02/23/2007</td>
</tr>
<tr>
<td>Steven R Sherman</td>
<td>03/05/2007</td>
</tr>
<tr>
<td>Robert Michael Geffken</td>
<td>02/23/2007</td>
</tr>
<tr>
<td>John J Hautala</td>
<td>03/05/2007</td>
</tr>
</tbody>
</table>

### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>TEL Epion Inc.</th>
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<tr>
<td>Street Address:</td>
<td>37 Manning Road</td>
</tr>
<tr>
<td>City:</td>
<td>Billerica</td>
</tr>
<tr>
<td>State/Country:</td>
<td>MASSACHUSETTS</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>01821</td>
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### PROPERTY NUMBERS Total: 1

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<tr>
<td>Application Number:</td>
<td>11671813</td>
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### CORRESPONDENCE DATA

Fax Number: (617)345-3299  
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 617-345-3000  
Email: bhorvitz@burnslev.com  
Correspondent Name: David W. Gomes

Address Line 1: Burns & Levinson LLP  
Address Line 2: 125 Summer Street  
Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 11460-137 CIP 1

NAME OF SUBMITTER: David W. Gomes
ASSIGNMENT

In consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged we, the undersigned

Arthur J. Learn, Steven R. Sherman, Robert Michael Geffken and John J. Hautala

hereby sell, assign and transfer to TEL Epion Inc., a Delaware corporation, having a place of business at 37 Manning Road, Billerica, Massachusetts 01821 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent Serial No. 11/671,813 filed February 6, 2007 and entitled:

COPPER INTERCONNECT WIRING AND METHOD AND APPARATUS FOR FORMING THEREOF

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, agree to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, power of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and
Hereby request the Honorable Commissioner of Patents to issue said Letters Patent to said Assignee; and,

Covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as herein expressed is possess by the undersigned.

Dated:  

Arthur J. Lear

Dated: 3/5/07

Steven R. Sherman

Dated:  

Robert Michael Geffken

Dated: 3-5-07

John J. Hauvila

STATE OF Massachusetts

COUNTY OF Middlesex : ss.

Subscribed to and sworn before me this 5th day of March, 2007.

Alice Bourget
Notary Public

(SEAL)
ASSIGNMENT

In consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged we, the undersigned

Arthur J. Learn, Steven R. Sherman, Robert Michael Geffken and John J. Hautala

hereby sell, assign and transfer to TEL Epion Inc., a Delaware corporation, having a place of business at 37 Manning Road, Billerica, Massachusetts 01821 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent Serial No. 11/671,813 filed February 6, 2007 and entitled:

COPPER INTERCONNECT WIRING AND METHOD AND APPARATUS FOR FORMING THEREOF

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, agree to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions; execute all rightful oaths, assignments, power of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and
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Covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as herein expressed is possess by the undersigned.

Dated: ____________________________

Arthur J. Learn

Dated: ____________________________

Steven R. Sherman

Dated: 02/23/2007

Robert Michael Geffken

Dated: ____________________________

John J. Hautala

STATE OF Vermont

COUNTY OF Chittenden ss.

Subscribed to and sworn before me this 23 day of February, 2007.

(Seal)

My commission expires 2/10/2011
ASSIGNMENT

In consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged we, the undersigned

Arthur J. Learn, Steven R. Sherman, Robert Michael Geffken and John J. Hautala

hereby sell, assign and transfer to TEL Epion Inc., a Delaware corporation, having a place of business at 37 Manning Road, Billerica, Massachusetts 01821 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent Serial No. 11/671,813 filed February 6, 2007 and entitled:

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and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

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Hereby request the Honorable Commissioner of Patents to issue said Letters Patent to said Assignee; and,

Covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as herein expressed is possess by the undersigned.

Dated: **FEBRUARY 23, 2007**  
Arthur J. Learn

Dated:  
Steven R. Sherman

Dated:  
Robert Michael Geffken

Dated:  
John J. Hautala

STATE OF California  
COUNTY OF Santa Clara ss.

Subscribed to and sworn before me this 23rd day of **February**, 2007.  
Notary Public

(SEAL)