

**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>Kenneth L. Stanwood</td> <td>01/11/2002</td> </tr> <tr> <td>Israel Jay Klein</td> <td>01/10/2002</td> </tr> <tr> <td>George Lin</td> <td>01/21/2002</td> </tr> <tr> <td>An Chen</td> <td>01/28/2002</td> </tr> </tbody> </table>		Name	Execution Date	Kenneth L. Stanwood	01/11/2002	Israel Jay Klein	01/10/2002	George Lin	01/21/2002	An Chen	01/28/2002
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Kenneth L. Stanwood	01/11/2002										
Israel Jay Klein	01/10/2002										
George Lin	01/21/2002										
An Chen	01/28/2002										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Ensemble Communications, Inc.										
<b>Street Address:</b>	9890 Towne Centre Drive										
<b>City:</b>	San Diego										
<b>State/Country:</b>	CALIFORNIA										
<b>Postal Code:</b>	92121										
<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>Application Number:</td> <td>11674548</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11674548						
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Application Number:	11674548										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(619)235-0398										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	619-238-1900										
<b>Email:</b>	docketing@procopio.com										
<b>Correspondent Name:</b>	Procopio, Cory, Hargreaves & Savitch LLP										
<b>Address Line 1:</b>	530 B. Street, Suite 2100										
<b>Address Line 4:</b>	San Diego, CALIFORNIA 92101										
<b>ATTORNEY DOCKET NUMBER:</b>	112174-014DV1										
<b>NAME OF SUBMITTER:</b>	Alan C. Gordon										
Total Attachments: 4 source=Assignment#page1.tif											

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ASSIGNMENT

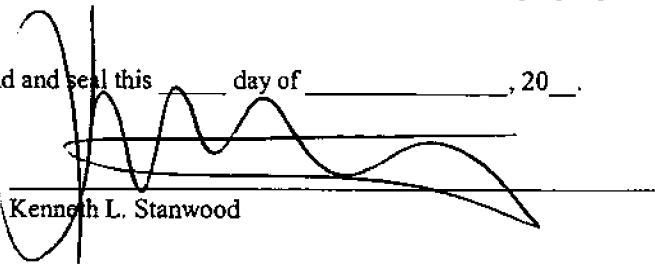
WHEREAS, We, Kenneth L. Stanwood, a U.S. citizen, residing at 935 Rosemary Ave., Carlsbad, CA 92009, Israel Jay Klein, a U.S. citizen, residing at 5260 Fiore Terrace, Apt. 214, San Diego, CA 92122; George Lin, a U.S. citizen, residing at 13756 Durango Drive, San Diego, CA 92013 and An Chen, a U.S. citizen, residing at 9105 Pimpernel Drive, San Diego, CA, have invented certain new and useful improvements in a IMPROVED FRAMING FOR AN ADAPTIVE MODULATION COMMUNICATION SYSTEM for which we have filed an application for Letters Patent in the United States, 09/991,532 filed November 15, 2001;

AND WHEREAS, Ensemble Communications, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 9890 Towne Centre Drive, San Diego, CA 92121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

  
\_\_\_\_\_  
Kenneth L. Stanwood

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

On 11/11/02, before me, KATHLEEN CAHILL, personally appeared Kenneth L. Stanwood personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10<sup>th</sup> day of NOVEMBER, 2001

[Signature]  
Israel Jay Klein

STATE OF CALIFORNIA }  
COUNTY OF SAN DIEGO } ss.

On 1/10/02, before me, KATHLEEN CAHILL, personally appeared Israel Jay Klein personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



[Signature]  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
George Lin

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared George Lin personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Israel Jay Klein

STATE OF

COUNTY OF

}  
ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Israel Jay Klein personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21<sup>st</sup> day of January, 2002

George Chia-Fan Lin  
George Lin

STATE OF

COUNTY OF

ss.

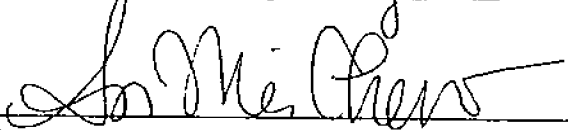
On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared George Lin personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of January, 2002

  
An Chen

STATE OF

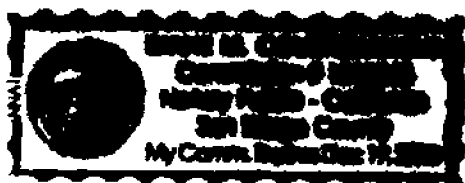
SS.

COUNTY OF

On 1/28/02, before me, Diane Courtemanche personally appeared An Chen personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity(ies), and that by her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Diane M. Courtemanche  
Notary Signature

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