

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<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>PHILIP T. KENNEDY</td> <td>01/21/2008</td> </tr> <tr> <td>JOSEPH A. GERKE</td> <td>01/21/2008</td> </tr> <tr> <td>DAVID M. SNYDER</td> <td>01/21/2008</td> </tr> <tr> <td>JON G. STANFORD</td> <td>01/21/2008</td> </tr> <tr> <td>XUEJIE SONG</td> <td>01/21/2008</td> </tr> </tbody> </table>		Name	Execution Date	PHILIP T. KENNEDY	01/21/2008	JOSEPH A. GERKE	01/21/2008	DAVID M. SNYDER	01/21/2008	JON G. STANFORD	01/21/2008	XUEJIE SONG	01/21/2008
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RECEIVING PARTY DATA													
Name:	LIGHTWAVES SYSTEMS, INC.												
Street Address:	1131 Wenig Road NE												
City:	Cedar Rapids												
State/Country:	IOWA												
Postal Code:	52402												
PROPERTY NUMBERS Total: 1													
<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>11932254</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11932254								
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CORRESPONDENCE DATA													
Fax Number:	(515)288-1338												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	515-288-3667												
Email:	patatty@ipmvs.com												
Correspondent Name:	McKee, Voorhees & Sease, PLC												
Address Line 1:	801 Grand Avenue												
Address Line 2:	Suite 3200												
Address Line 4:	Des Moines, IOWA 50309-2721												
ATTORNEY DOCKET NUMBER:	P08228US03; 11/932,254												
NAME OF SUBMITTER:	JOHN D. GOODHUE												

CH \$40.00 11932254

Total Attachments: 6

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ASSIGNMENT

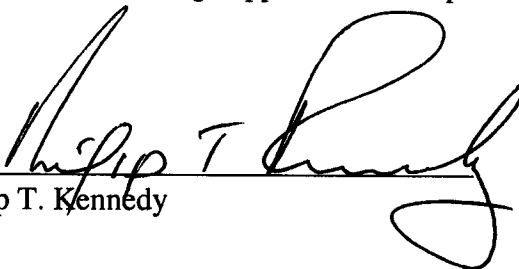
In consideration of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to **LIGHTWAVES SYSTEMS, INC.**, an Iowa corporation, having an address of 1131 Wenig Road NE, Cedar Rapids, Iowa, 52402, its successors and assigns the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, Serial No. 11/932,254 filed in the United States Patent and Trademark Office on the 31st day of October, 2007 entitled **IMPROVED HIGH BANDWIDTH DATA TRANSPORT SYSTEM**, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent, applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said **LIGHTWAVES SYSTEMS, INC.**

For said considerations the undersigned hereby agree, upon the request, and at the expense of said assignee, its successors and assigns, to execute any and all divisional continuation and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and for the said considerations the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent of the United States and vest all rights therein hereby conveying in the said assignee, its successors and assigns whereby said Letters Patent will

be held and enjoyed by the said assignee, its successors and assigns to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

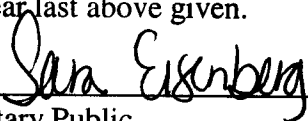
And for said considerations the undersigned hereby assign to said assignee, its successors and assigns, the entire right, title and interest in said invention or improvements for any and all foreign countries and agree upon the request of assignee, its successors and assigns to execute any and all documents that undersigned shall be requested to execute in connection with any and all applications for foreign Letters Patent therefore, including the prosecution thereof, and to execute any and all documents necessary to vest title in said foreign applications and patents in assignee.


Philip T. Kennedy

STATE OF IOWA)
) ss.
COUNTY OF)

On this 21 day of January, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared Philip T. Kennedy, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.


Notary Public



Commission Expires 3-20-09

J. G. Gerke
Joseph G. Gerke
A. E.

STATE OF IOWA)
) ss.
COUNTY OF)

On this 21 day of January, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared Joseph G. Gerke, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.

Sara Eisenberg
Notary Public



Commission Expires 3.20.09

David M. Snyder
David M. Snyder

STATE OF IOWA)
) ss.
COUNTY OF)

On this 21 day of January, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared David M. Snyder, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.

Sara Eisenberg
Notary Public



Commission Expires 3-20-09

John G. Stanford
John G. Stanford
401 4/28

STATE OF IOWA)
) ss.
COUNTY OF)

On this 21 day of January, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared John G. Stanford, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.

Sara Eisenberg
Notary Public



Commission Expires 3-20-09

Xuejie Song
Xuejie Song

STATE OF IOWA)
) ss.
COUNTY OF)

On this 21 day of January, 2008, before me, a Notary Public in and for the County and State aforesaid, appeared Xuejie Song, to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.

Witness my hand and seal the day and year last above given.

Sara Eisenberg
Notary Public



Commission Expires 3-20-09