

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>Bruce D. Melick</td> <td>10/20/2004</td> </tr> <tr> <td>David M. Snyder</td> <td>10/20/2004</td> </tr> <tr> <td>Leslie D. Baych</td> <td>10/20/2004</td> </tr> </tbody> </table>		Name	Execution Date	Bruce D. Melick	10/20/2004	David M. Snyder	10/20/2004	Leslie D. Baych	10/20/2004
Name	Execution Date								
Bruce D. Melick	10/20/2004								
David M. Snyder	10/20/2004								
Leslie D. Baych	10/20/2004								
RECEIVING PARTY DATA									
Name:	Lightwaves Systems, Inc.								
Street Address:	1131 Wenig Road NE								
City:	Cedar Rapids								
State/Country:	IOWA								
Postal Code:	51402								
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>10967859</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10967859				
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Application Number:	10967859								
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								
NAME OF SUBMITTER:	John D. Goodhue								
Total Attachments: 3 source=Melick P04409us04 assign app to file 1-05#page1.tif source=Melick P04409us04 assign app to file 1-05#page2.tif source=Melick P04409us04 assign app to file 1-05#page3.tif									

CH \$40.00 10967859

PATENT

A S S I G N M E N T

In consideration of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to **LIGHTWAVES SYSTEMS, INC.**, an Iowa corporation, having an address of 1131 Wenig Road NE, Cedar Rapids, Iowa, 51402, 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. 10/967,859 filed in the United States Patent and Trademark Office on the 18th day of October, 2004, entitled **SYSTEM AND METHOD OF USING VARIABLE PULSES FOR SYMBOLOGY**, 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 authorizes and requests the Commissioner of Patents to issue said Letters Patent to said **LIGHTWAVES SYSTEMS, INC.**

For said considerations the undersigned hereby agrees, 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 agrees 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 assigns 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 agrees 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 therefor, including the prosecution thereof, and to execute any and all documents necessary to vest title in said foreign applications and patents in assignee.

Bruce Melick
BRUCE D. MELICK

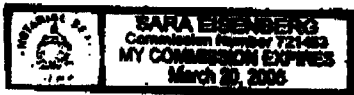
STATE OF IOWA)
) ss.
COUNTY OF LINN)

On this 20 day of October, 2004, before me, a Notary Public in and for the County and State aforesaid, appeared BRUCE D. MELICK, 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 3/20/06

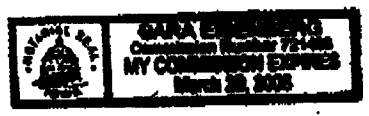


David M. Snyder
DAVID M. SNYDER

STATE OF IOWA)
) ss.
COUNTY OF LINN)

On this 20 day of October, 2004, 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.



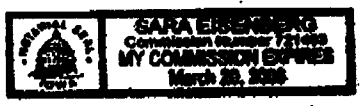
Sara Eisenberg
Notary Public
Commission Expires 3/20/06

Leslie D. Baych
LESLIE D. BAYCH

STATE OF IOWA)
) ss.
COUNTY OF LINN)

On this 20 day of October, 2004, before me, a Notary Public in and for the County and State aforesaid, appeared LESLIE D. BAYCH, 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 3/20/06