

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
William C. Black	07/23/2013
RECEIVING PARTY DATA	
Name:	Northern Microdesign, Inc.
Street Address:	211 Longwood Drive
City:	Chapel Hill
State/Country:	NORTH CAROLINA
Postal Code:	27514
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13935186
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 2:	Suite 3200
Address Line 4:	Des Moines, IOWA 50309-2721
ATTORNEY DOCKET NUMBER:	P10689US00; N051-14
NAME OF SUBMITTER:	JOHN D. GOODHUE
Signature:	/JOHN D. GOODHUE/
Date:	08/06/2013
Total Attachments: 2 source=BLACK_P10689US00_ASSIGN_8-6-13_JDG#page1.tif source=BLACK_P10689US00_ASSIGN_8-6-13_JDG#page2.tif	

CH \$40.00 13935186

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 **NORTHERN MICRODESIGN, INC.** a Minnesota corporation, having an address of 211 Longwood Drive, Chapel Hill, North Carolina, 27514, 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. 13/935,186, filed in the United States Patent and Trademark Office on the 3rd day of July, 2013, entitled **COMMUNICATION USING MULTIPLE CONDUCTOR CABLE**, 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 Northern Microdesign, 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 pre-paring 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.

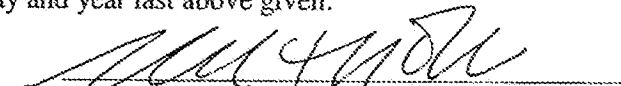
And for said considerations the undersigned hereby assigns to said assignee, its successors and assigns, the entire right, title and interest in said invention or improvements for any and all foreign countries and agrees upon the request of assignee, its successors and assigns to execute any and all 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.


William C. Black

STATE OF NORTH CAROLINA)
) ss.
COUNTY OF Durham)

On this 23rd day of July, 2013, before me, a Notary Public in and for the County and State aforesaid, appeared **William C. Black**, 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 November 12, 2017

