

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Adam R. Hotchkiss</td><td>05/09/2008</td></tr><tr><td>Siraj Nour El-Ahmadi</td><td>05/09/2008</td></tr><tr><td>Salam El-Ahmadi</td><td>05/08/2008</td></tr></tbody></table>		Name	Execution Date	Adam R. Hotchkiss	05/09/2008	Siraj Nour El-Ahmadi	05/09/2008	Salam El-Ahmadi	05/08/2008
Name	Execution Date								
Adam R. Hotchkiss	05/09/2008								
Siraj Nour El-Ahmadi	05/09/2008								
Salam El-Ahmadi	05/08/2008								
RECEIVING PARTY DATA									
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Postal Code:	75204								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12120149</td></tr></tbody></table>		Property Type	Number	Application Number:	12120149				
Property Type	Number								
Application Number:	12120149								
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NAME OF SUBMITTER:	Lawrence A. Baratta Jr.								
Total Attachments: 2									

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PATENT
REEL: 020944 FRAME: 0877

ASSIGNMENT

WHEREAS, ADAM R. HOTCHKISS, SIRAJ NOUR EL-AHMADI, AND SALAM EL-AHMADI (hereinafter referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled:

**SYSTEMS AND METHODS FOR THE INTEGRATION OF FRAMING,
OAM&P, AND FORWARD ERROR CORRECTION IN SFP OPTICAL
TRANSCEIVER DEVICES**

for which U.S. Patent Application No. 12/120,149 was filed on May 13, 2008.

WHEREAS, MENARA NETWORKS, INC., 3400 Carlisle Street, Suite 210, Dallas, Texas 75204 USA (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title, and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, in accordance with obligations entered into pursuant to an Employment Agreement or other agreement and/or for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, transfer and assign to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title, and interest in and to said invention and improvements invented and originated by ASSIGNORS in the United States and its territorial possessions and in any and all foreign countries and to all Letters Patent or similar legal protections in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any application claiming priority to/from the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term(s) for which the same may be granted; and authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereof, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, issue, and/or enforce said invention, said application, and said Letters Patent and legal equivalents thereof in foreign countries which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set hand and signed on the date indicated below:

Full Name of Sole/First Inventor: ADAM R. HOTCHKISS

Inventor's Signature: Adam R. Hotchkiss Date: 5/9/08

Full Name of Joint/Second Inventor: SIRAJ NOUR EL-AHMADI

Inventor's Signature: Siraj Nour El-Ahmadi Date: 5/9/08

Full Name of Joint/Third Inventor: SALAM EL-AHMADI

Inventor's Signature: Salam El-Ahmadi Date: 5/8/08