

PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

APPLICATION NUMBER
09/994475

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name: Ciancaglini, Gene

Execution Date: 11/08/2001

Name: Garofalo, Michael

Execution Date: 11/08/2001

Name: Hart, James

Execution Date: 11/08/2001

Name: Lupinacci, Michael

Execution Date: 11/08/2001

Name: Lumetta, Steven

Execution Date: 11/08/2001

Name: Marichal, Paul

Execution Date: 11/08/2001

Name: Medard, Muriel

Execution Date: 11/13/2001

Name: Moores, John

Execution Date: 11/12/2001

Name: Oliveira, Guy

Execution Date: 11/08/2001

Name: Proulx, Donald

Execution Date: 11/08/2001

Name: Proulx, William

Execution Date: 11/08/2001

Name: Rydeen, Michael

Execution Date: 11/08/2001

Name: Parikh, Salil

Execution Date: 11/05/2001

Name: Parquette, Mark R.

Execution Date: 11/08/2001

Name: Wu, Cynara

Execution Date: 11/05/2001

RECEIVING PARTY DATA

Name: Malachite Technologies, Inc.

Street Address: Five Branch Street

Internal Address: Second Floor

City: Methuen

State: MASSACHUSETTS

Country:

Postal Code: 01849

PROPERTY NUMBERS

Application Number: 09994475

Number of Properties: 1

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** 781-401-9966

CORRESPONDENCE DATA:

Correspondence will be sent via US Mail when a fax number has not been provided or the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 022494

NAME OF PERSON SIGNING: David W. Rouille

DATE SIGNED: 02/05/2003

Total Attachments: 13

ASSIGNMENT

Whereas we, the undersigned, Gene Ciancaglini, Michael Garofalo, James Hart, Michael Lupinacci, Steven Lumetta, Paul Marichal, Muriel Medard, John Moores, Guy Oliveira, Donald Proulx, William Proulx, Michael Rydeen, Salil Parikh, Mark Ryan Parquette and Cynara Wu, hereby have made certain inventions or discoveries (or both) set forth in a United States Provisional Patent Application entitled, MULTIPLE ACCESS PROTOCOL FOR MULTI-GIGABIT OPTICAL WAVELENGTH DIVISION MULTIPLEXED LOCAL AREA NETWORKS, identified as Attorney Docket No. MAL-002PUSP, which application was filed on November 29, 2000 and assigned Application No. 60/250,197. In the event that the filing date and Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys at Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310 to insert above the execution date, filing date and/or Application No. of said application.

Whereas, Malachite Technologies, Inc., a Massachusetts corporation having a place of business at Five Branch Street, Second Floor, Methuen, MA 01849, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said United States Provisional patent application, any and all other patent applications on said inventions and discoveries in whatsoever countries, including all utility, divisional, renewal, substitute, continuation, reissue, and Convention applications based in whole or in part upon said inventions or discoveries, said United States Provisional patent application or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to my name.

Dated: 11-8-01

Gene M. Ciancaglini
Gene Ciancaglini

On this 8th day of November, 2001, before me appeared Gene Ciancaglini, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Jennifer D. Howell
First Witness

On this 8th day of November, 2001, before me appeared Gene Ciancaglini, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Matthew R. Leuts
Second Witness

PATENT


Application No.: 60/250,197

Attorney Docket No.: MAL-002PUSP


Dated: 11/8/01


Michael Garofalo

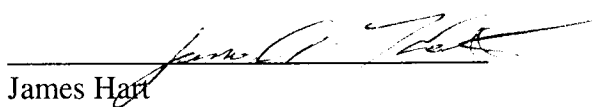
On this 8th day of November, 2001, before me appeared Michael Garofalo, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

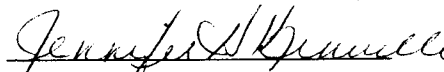
On this 8th day of November, 2001, before me appeared Michael Garofalo, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness


Dated: 11/8/01


James Hart

On this 8th day of November, 2001, before me appeared James Hart, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

On this 8th day of November, 2001, before me appeared James Hart, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

PATENT

Application No.: 60/250,197

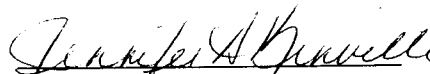
Attorney Docket No.: MAL-002PUSP

Dated: 2001/08/11



Michael Lupinacci

On this 8th day of November, 2001, before me appeared Michael Lupinacci, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



First Witness

On this 8th day of November, 2001, before me appeared Michael Lupinacci, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Second Witness

Dated: _____

Steve Lumetta

On this _____ day of _____, 2001, before me appeared Steve Lumetta, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness

On this _____ day of _____, 2001, before me appeared Steve Lumetta, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness

PATENT
Application Number 60/250,197
Docket No.: MAL-002PUSP

State or Commonwealth of Illinois

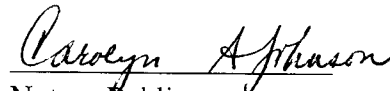
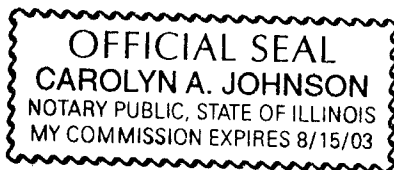
County of Champaign

Dated: 8 November 2001



Steven Lumetta

On this 8 day of November, 2001, before me appeared Steven Lumetta, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.


Notary Public

[seal]

PATENT

Application No.: 60/250,197

Attorney Docket No.: MAL-002PUSP

Dated: 11/8/01

Paul Marichal
Paul Marichal

On this 8th day of November, 2001, before me appeared Paul Marichal, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Jennifer A. Beauville
First Witness

On this 8th day of November, 2001, before me appeared Paul Marichal, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Marko Lillo
Second Witness

Dated: November 13, 2001.

Muriel Medard
Muriel Medard

On this 13 day of Nov., 2001, before me appeared Muriel Medard, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Kathleen M. Sullivan
First Witness

On this 13 day of NOV., 2001, before me appeared Muriel Medard, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Elizabeth
Second Witness

PATENT
Application Number 60/250,197
Docket No.: MAL-002PUSP

State or Commonwealth of Massachusetts
County of Essex

Dated: November 12, 2001

John Moores



On this 12 day of November, 2001, before me appeared John Moores, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.



Notary Public

[seal]

SUSAN P. LAWTON
Notary Public
My Commission Expires
March 22, 2007

Dated: _____
John Moores

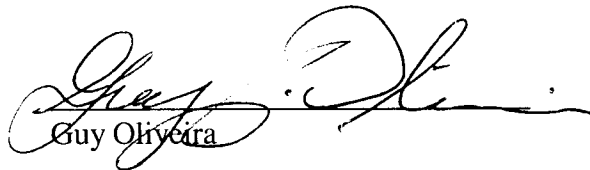
On this _____ day of _____, 2001, before me appeared John Moores, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness

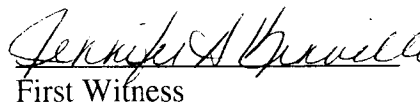
On this _____ day of _____, 2001, before me appeared John Moores, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness

Dated: 11/8/01


Guy Oliveira

On this 8th day of November, 2001, before me appeared Guy Oliveira, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

On this 8th day of November, 2001, before me appeared Guy Oliveira, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

PATENT

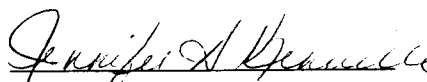
Application No.: 60/250,197

Attorney Docket No.: MAL-002PUSP


Dated: 11/8/01


Donald Proulx

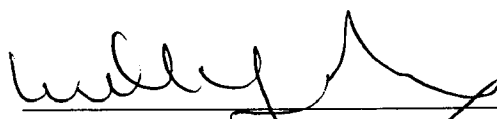
On this 8th day of November, 2001, before me appeared Donald Proulx, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness


On this 8th day of November, 2001, before me appeared Donald Proulx, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

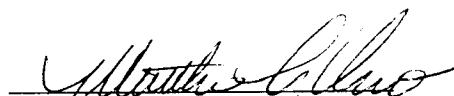
Dated: 11/8/01


William Proulx

On this 8th day of November, 2001, before me appeared Donald Proulx, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

On this 8th day of November, 2001, before me appeared Donald Proulx, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

Dated: 11/8/01

Michael Rydeen
Michael Rydeen

On this 8th day of November, 2001, before me appeared Michael Rydeen, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Jennifer A. Biavelli
First Witness

On this 8th day of November, 2001, before me appeared Michael Rydeen, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Matthew Collins
Second Witness

Dated: _____

Salil Parikh

On this _____ day of _____, 2001, before me appeared Salil Parikh, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness

On this _____ day of _____, 2001, before me appeared Salil Parikh, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness

PATENT
Application Number 60/250,197
Docket No.: MAL-002PUSP

State or Commonwealth of Massachusetts
County of Essex

Dated: 5 Nov 2001


Salil Parikh

On this 5 day of November, 2001, before me appeared Salil Parikh, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.


Notary Public


[seal]

SUSAN P. LAWTON
Notary Public
My Commission Expires
March 22, 2007


Dated: 11/08/2001


Mark Ryan Parquette

On this 8th day of November, 2001, before me appeared Mark Ryan Parquette, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


First Witness

On this 8th day of November, 2001, before me appeared Mark Ryan Parquette, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


Second Witness

Dated: _____

Cynara Wu

On this _____ day of _____, 2001, before me appeared Cynara Wu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

First Witness

On this _____ day of _____, 2001, before me appeared Cynara Wu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Second Witness

PATENT
Application Number 60/250,197
Docket No.: MAL-002PUSP

State or Commonwealth of Massachusetts
County of Essex

Dated: 11/5/01

Cynara Wu
Cynara Wu

On this 5 day of November, 2001, before me appeared Cynara Wu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Susan P. Lawton
Notary Public

[seal]

SUSAN P. LAWTON
Notary Public
My Commission Expires
March 22, 2007

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