

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Arunkumar Natarajan	07/01/2010
Kwok Pong Chan	07/06/2010
Riffard Pierre Jean-Gilles	07/08/2010
Robert James Perry	07/06/2010
Victor Petrovich Ostroverkhov	07/08/2010
Evgenia Mikhailovna Kim	06/30/2010
Julia Lam Lee	06/30/2010
Eugene Pauling Boden	07/01/2010
Patrick Joseph McCloskey	06/30/2010
Brian Lee Lawrence	07/08/2010

RECEIVING PARTY DATA

Name:	General Electric Company
Street Address:	1 River Road
City:	Schenectady
State/Country:	NEW YORK
Postal Code:	12345

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12551455

CORRESPONDENCE DATA

Fax Number: (866)308-9939

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 518-387-7724

Email: rosssr@ge.com

Correspondent Name: GENERAL ELECTRIC COMPANY GLOBAL RESEARCH

Address Line 1: ONE RESEARCH CIRCLE

CH \$40.00 12551455

501228769

PATENT  
REEL: 024663 FRAME: 0214

Address Line 2: BLDG. K1-3A59  
Address Line 4: NISKAYUNA, NEW YORK 12309

ATTORNEY DOCKET NUMBER: 236540-1

NAME OF SUBMITTER: Kimberly S. Jordahl

**Total Attachments: 11**

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**ASSIGNMENT**

In accordance with my/our obligations under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between the General Electric Company, a New York Corporation, and my employer), and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

<b>Arunkumar Natarajan</b>	of	<b>Schenectady, New York</b>
<b>Kwok Pong Chan</b>	of	<b>Troy, New York</b>
<b>Riffard Pierre Jean-Gilles</b>	of	<b>Schenectady, New York</b>
<b>Robert James Perry</b>	of	<b>Niskayuna, New York</b>
<b>Victor Petrovich Ostroverkhov</b>	of	<b>Ballston Lake, New York</b>
<b>Evgenia Mikhailovna Kim</b>	of	<b>Ballston Lake, New York</b>
<b>Julia Lam Lee</b>	of	<b>Niskayuna, New York</b>
<b>Eugene Pauling Boden</b>	of	<b>Scotia, New York</b>
<b>Patrick Joseph McCloskey</b>	of	<b>Watervliet, New York</b>
<b>Brian Lee Lawrence</b>	of	<b>Waunakee, Wisconsin</b>

hereby sell and assign to **General Electric Company, a New York Corporation**, (hereinafter referred to as Assignee) having an address at 1 River Road, Schenectady, New York 12345, USA, its successors and assigns my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled:

**COMPOSITIONS, OPTICAL DATA STORAGE MEDIA AND METHODS FOR  
USING THE OPTICAL DATA STORAGE MEDIA**

☐ executed concurrently herewith,

☒ filed on August 31, 2009, having Serial Number 12/551,455

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, I/we will communicate to said Assignee or its representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

INVENTOR 1

Signature: \_\_\_\_\_  
**Arunkumar Natarajan**

Date: \_\_\_\_\_

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Witness

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**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

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N. Arunkumar  
\_\_\_\_\_  
**Arunkumar Natarajan**

Date: 7/1/10

STATE OF New York

ss.

COUNTY OF Schenectady

This 1<sup>st</sup> day of July, 2010 before me personally came the above-named  
**Arunkumar Natarajan**, to me personally known as the individual who executed the foregoing  
assignment, who acknowledged to me that he/she executed the same of his/her own free will for  
the purposes therein set forth.

Seal

Monica A. Gentile  
(Notary Public)

**MONICA A. GENTILE**  
Notary Public-State of New York  
Qualified in Schenectady County  
No 01GE6037577

My Commission Expires February 22, 2014

DOCKET NUMBER: 236540-1

INVENTOR 2

Signature: Chau Pong Chan**Kwok Pong Chan**Date: 7/6/2010Witnessed by: David Gascoyne

Signature

DAVID GASCOYNE

Printed Name of Witness

Date: 7/6/2010Witnessed by: Hongchen Dong

Signature

HONGCHEN DONG

Printed Name of Witness

Date: 7/6/2010

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**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

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Kwok Pong Chan

Date: \_\_\_\_\_

STATE OF New York

ss.

COUNTY OF Schenectady

This \_\_\_\_\_ day of \_\_\_\_\_, 2010 before me personally came the above-named **Kwok Pong Chan**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 3

Signature: Riffard Pierre Jean-Gilles  
Riffard Pierre Jean-Gilles

Date: 07/08/2010

Witnessed by: Kirk Shimkin  
Signature

Date: 7/8/10

Kirk Shimkin  
Printed Name of Witness

Witnessed by: Shraddha Ishwad  
Signature

Date: 7/8/10

SHRADDHA ISHWAD  
Printed Name of Witness

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**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

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Riffard Pierre Jean-Gilles

Date: \_\_\_\_\_

STATE OF New York

ss.

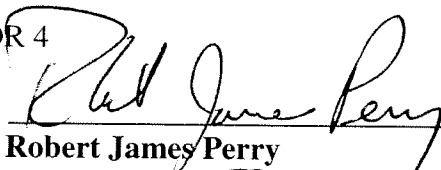
COUNTY OF Schenectady

This \_\_\_\_\_ day of \_\_\_\_\_, 2010 before me personally came the above-named **Riffard Pierre Jean-Gilles**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

INVENTOR 4

Signature: 

**Robert James Perry**

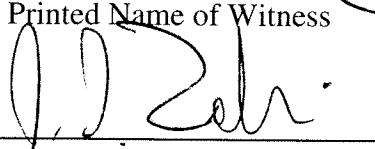
Date: 7-6-10

Witnessed by: 

Signature

Date: JULY 6 2010

PAUL GLASER  
Printed Name of Witness

Witnessed by: 

Signature

Date: 7-6-10

GUILLERMO ZAPPI  
Printed Name of Witness

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\_\_\_\_\_  
**Robert James Perry**

Date: \_\_\_\_\_

STATE OF New York

ss.

COUNTY OF Schenectady

This \_\_\_\_\_ day of \_\_\_\_\_, 2010 before me personally came the above-named **Robert James Perry**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal \_\_\_\_\_

DOCKET NUMBER: 236540-1

INVENTOR 5

Signature: *Victor Petrovich Ostroverkhov* Date: 7/8/2010  
Victor Petrovich Ostroverkhov

Witnessed by: *Iza O. Ferreira* Date: 7/8/2010  
Signature

Iza O. Ferreira  
Printed Name of Witness

Witnessed by: *Yana Williams* Date: 07/08/2010  
Signature  
Yana Williams  
Printed Name of Witness

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\_\_\_\_\_  
Victor Petrovich Ostroverkhov Date: \_\_\_\_\_

STATE OF New York

ss.

COUNTY OF Schenectady

This \_\_\_\_\_ day of \_\_\_\_\_, 2010 before me personally came the above-named  
**Victor Petrovich Ostroverkhov**, to me personally known as the individual who executed the  
foregoing assignment, who acknowledged to me that he/she executed the same of his/her own  
free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)



INVENTOR 6

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Evgenia Mikhailovna Kim**

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Printed Name of Witness

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\_\_\_\_\_  
**Evgenia Mikhailovna Kim** Date: 06.30.10


STATE OF New York

ss.

COUNTY OF Schenectady

This 30<sup>th</sup> day of June, 2010 before me personally came the above-named **Evgenia Mikhailovna Kim**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

  
\_\_\_\_\_  
(Notary Public)

INVENTOR 7

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Julia Lam Lee**

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

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Julia Lam Lee Date: 6-30-2010  
**Julia Lam Lee**

STATE OF New York

ss.

COUNTY OF Schenectady

This 30<sup>th</sup> day of June, 2010 before me personally came the above-named **Julia Lam Lee**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Monica A. Gentile  
(Notary Public)

MONICA A. GENTILE  
Notary Public-State of New York  
Qualified in Schenectady County  
No 01GE6037577

My Commission Expires February 22, 2014

INVENTOR 8

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Eugene Pauling Boden**

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

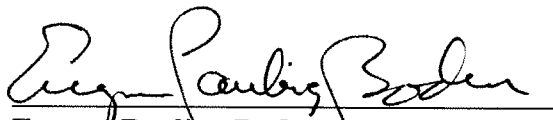
Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

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**Eugene Pauling Boden**

Date: 7/1/10

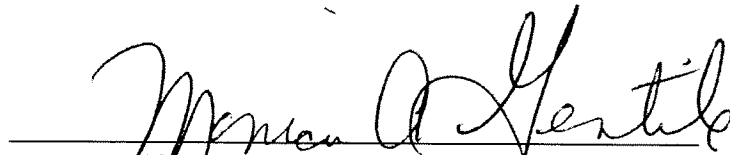
STATE OF New York

ss.

COUNTY OF Schenectady

This 1<sup>st</sup> day of July, 2010 before me personally came the above-named  
**Eugene Pauling Boden**, to me personally known as the individual who executed the foregoing  
assignment, who acknowledged to me that he/she executed the same of his/her own free will for  
the purposes therein set forth.

Seal

  
(Notary Public)

INVENTOR 9

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
**Patrick Joseph McCloskey**

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Witness

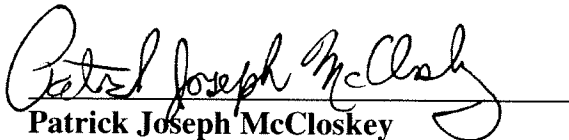
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**Patrick Joseph McCloskey**

Date: 6/30/10

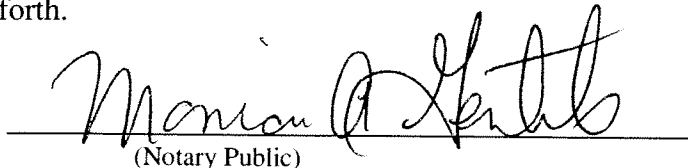
STATE OF New York

ss.


COUNTY OF Schenectady

This 30<sup>th</sup> day of June, 2010 before me personally came the above-named **Patrick Joseph McCloskey**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

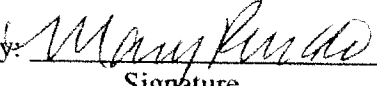
  
(Notary Public)

INVENTOR 10

Signature: 

**Brian Lee Lawrence**

Date: July 8, 2010

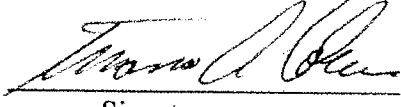
Witnessed by: 

Signature

Date: July 8/2010

Mary Rindo

Printed Name of Witness

Witnessed by: 

Signature

Date: Jul, 8, 2010

Thomas A Coleman

Printed Name of Witness

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**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

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\_\_\_\_\_  
**Brian Lee Lawrence**

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, 2010 before me personally came the above-named **Brian Lee Lawrence**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)