

Form PTO-1595 (Rev 09-08)
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Vincent Pelletier; Mingshaw Wu; Douglas Adamson

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: PRINCETON UNIVERSITY

Internal Address: Office of Technology Licensing
and Intellectual Property

Street Address: 4 New South Building

City: Princeton

State: NJ

Country: US Zip: 08544

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 10/14/08; 11/12/08; 11/13/08

- Assignment
- Security Agreement
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____
- Merger
- Change of Name

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No. (s)

B. Patent No. (s)

12/091,668

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Stephen B. Parker

Internal Address: Attorney Docket No. 3092.110C

Street Address: 1250 Connecticut Ave., N.W., Suite 700

City: Washington

State: District of Columbia Zip: 20036

Phone Number: (202) 419-1518

Fax Number: (202) 318-4261

Email Address: patents@w-pd-a.com

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:


Signature

12/22/08
Date

Stephen B. Parker, Reg. No. 36,631
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

10

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 022055 FRAME: 0254

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OP \$40.00 12091668

U.S. Serial No. 12/091,668
Docket No. 3092,110C

ADDITIONAL NAME/ADDRESS OF CONVEYING PARTIES
FOR RECORDATION FORM COVERSHEET (PATENTS)

Richard A. Register
Execution Date: October 8, 2008

Paul M. Chaikin
Execution Date: November 22, 2008

Young-Rae Hong
Execution Date: November 18, 2008

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ASSIGNMENT

WHEREAS, the below-signed individuals (hereinafter, **ASSIGNORS**) are co-inventors, along with Mr. Koji ASAKAWA, of Kabushiki Kaisha Toshiba, incorporated in Japan, with a place of business at 1-1, Shibaura 1-chome, Minato-ku, 105-8001, Tokyo, Japan, of an invention in **SHORT-WAVELENGTH POLARIZING ELEMENTS AND THE MANUFACTURE AND USE THEREOF** (hereinafter, the Invention), for which we have filed 1) an application for Letters Patent of the United States, said filing date of such application being **April 25, 2008** under Serial No. 12/091,668, and relating to application Serial No. 12/091,668, and also 2) related to application Serial No. 11/532,908, said filing date being **September 19, 2006**, and 2) an International Application under the PCT, said filing date being **October 31, 2006**, and relating to PCT application Serial No. **PCT/US2006/42378**;

WHEREAS, Princeton University, an educational institution chartered under the laws of New Jersey, with a place of business at Office of Technology Licensing and Intellectual Property, 4 New South Building, Princeton, New Jersey, (hereinafter, **ASSIGNEE**) has received and is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application within the territories of the United States and within countries foreign to the territories of the United States;

Our entire right, title and interest worldwide have been and are now to be sold, assigned, transferred and set over to said **ASSIGNEE** under the terms herein.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said **ASSIGNORS** have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over:

a) (United States) unto the said **ASSIGNEE**, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention within the territories of the United States, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and we hereby authorize and request the Commissioner of Patents of the United States, whose duty it is to issue patents on applications as aforesaid, to issue all United States Letters Patents for said invention to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms this instrument; and

b) (Countries Foreign to the United States) unto the said **ASSIGNEE**, our entire right, title and interest to and under all applications for Letters Patent which have been or may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention, and we hereby authorize and request any Official of any country or

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countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for any Country Foreign to the United States for said invention to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms this instrument:

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to the said **ASSIGNEE**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we, the below-listed **ASSIGNORS**, hereunto set our hands and seals the day and year set opposite our respective signatures.

Date October 14, 2008 Vincent Pelletier
Signature

Printed Name: Vincent PELLETIER

Address: 21 Fortin
Saint-Basile-le Grand, Quebec, CANADA
J3N 1H2

Date _____, 2008 _____
Signature

Printed Name: Mingshaw WU

Address: 3155 Lenark Drive
San Jose, CA 95132

Date _____, 2008 _____
Signature

Printed Name: Douglas ADAMSON

Address: 348 Grandview Road
Skillman, NJ 08558

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for any Country Foreign to the United States for said invention to the said **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms this instrument;

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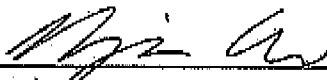
Date _____, 2008

Signature

Printed Name: Vincent PELLETIER

Address: 21 Fortin
Saint-Basile-le Grand, Quebec, CANADA
J3N 1H2

Date 12 November, 2008



Signature

Printed Name: Mingshaw WU

Address: 3155 Lenark Drive
San Jose, CA 95132

Date _____, 2008

Signature

Printed Name: Douglas ADAMSON

Address: 348 Grandview Road
Skillman, NJ 08558

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Date _____, 2008

Signature

Printed Name: Vincent PELLETIER

Address: 21 Fortin
Saint-Basile-le Grand, Quebec, CANADA
J3N 1H2

Date _____, 2008

Signature

Printed Name: Mingshaw WU

Address: 3155 Lenark Drive
San Jose, CA 95132

Date Nov 13, 2008

Signature


Printed Name: Douglas ADAMSON

Address: ~~348 Grandview Road~~ 7 Jackson Ln
~~Skillman, Nd 08558~~ Mansfield Center CT

06250

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Date October 8, 2008



Signature

Printed Name: Richard A. REGISTER

Address: 1 Sarah Drive
Princeton Junction, NJ 08550

Date _____, 2008

Signature

Printed Name: Paul M. CHAIKIN

Address: 29 Washington Sq. W
Pennington, NJ 10011

Date _____, 2008

Signature

Printed Name: Young-Rae HONG

Address: 7206 Wessex Place
Princeton, NJ 08536

3092-110C

Date _____, 2008

Signature _____

Printed Name: Richard A. REGISTER

Address: 1 Sarah Drive
Princeton Junction, NJ 08550

Date Nov. 22, 2008

Signature _____

Printed Name: Paul M. CHAIKIN

Address: 29 Washington Sq. W
Pennington, NJ 10011

Date _____, 2008

Signature _____

Printed Name: Young-Rae HONG

Address: 7206 Wessex Place
Princeton, NJ 08536

3092-110C

Date _____, 2008

Signature

Printed Name: Richard A. REGISTER

Address: 1 Sarah Drive
Princeton Junction, NJ 08550

Date _____, 2008

Signature

Printed Name: Paul M. CHAIKIN

Address: 29 Washington Sq. W
Pennington, NJ 10011

Date Nov. 18., 2008

Hong Young Rae

Signature

Printed Name: Young-Rae HONG

Address: 7206 Wessex Place
Princeton, NJ 08536