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SHEET

Enclosed for recordation in the records of the U.S. Patent and Trademark Office is AN ORIGINAL document with particulars as follows:

(1) Name of conveying party:

Jong-Jan Lee
Douglas James Tweet
Jer-Shen Maa
Sheng Teng Hsu

(2) Name and address of receiving party:

Sharp Laboratories of America, Inc.
5750 N.W. Pacific Rim Blvd.
Camas, Washington 98607

(3) The nature of the conveyance is AN ASSIGNMENT, which was executed on December 16, 2005.

(4) This document is being filed with a new patent application, for which the execution date of the application is December 16, 2005.

(5) Any and all correspondence concerning this document should be addressed and mailed to the following:

12/16/2005 STEPHEN L 00000006 11312967
04 FD16021

40.00

Robert D. Varitz
ROBERT D. VARITZ, P.C.
Customer Number 55376

(6) The total number of patent applications involved in this conveyance is -1-.

(7) A PTO Form 2038 Credit Card authorization is enclosed and includes the

Page 1 - RECORDATION COVER SHEET; Application of Jong-Jan Lee *et al.*; Docket No.: SLA.0993

PATENT
REEL: 017403 FRAME: 0522

requisite \$40.00 recordation fee, in accordance with 37 C.F.R. § 3.41.

- (8) Please charge my Deposit Account No. 22-0258 for any additional fees which may be required.
- (9) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

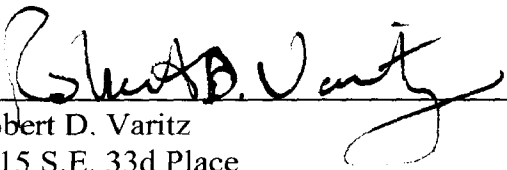
Customer Number

55376

Respectfully Submitted,

ROBERT D. VARITZ, P.C.

Registration No: 31436
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RDV:bd
enclosures

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET: 2

ASSIGNMENT

WHEREAS, the undersigned Jong-Jan Lee, a resident of Camas, WA; Douglas J. Tweet, a resident of Camas, WA; Jer-Shen Maa, a resident of Vancouver, WA; and Sheng Teng Hsu, a resident of Camas, WA, (hereinafter termed "Inventors") have invented certain new and useful improvements in:

METHOD OF FABRICATING A LOW, DARK-CURRENT GERMANIUM-ON-SILICON PIN PHOTO DETECTOR

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

Executed on the December 16, 2005;

or

Having been previously filed and assigned
Serial Number and filing date ; and

WHEREAS Sharp Laboratories of America, Inc., a corporation of the State of Washington, (hereinafter termed "Assignee"), having a place of business at 5750 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.


NOW THEREFORE, for good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

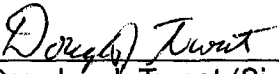
1. Said Inventors hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other government grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial property or

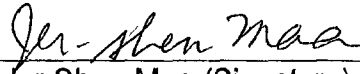
pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

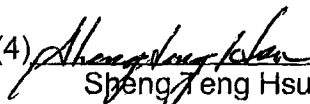
2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting application for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, said Inventors' heirs, legal representatives and assigns.
4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict with this assignment.

IN WITNESS WHEREOF, the said Inventors have executed this Assignment on the date given below:

(1)  12/16/05
Jong-Jan Lee (Signature) (Date)

(2)  12/16/05
Douglas J. Tweet (Signature) (Date)

(3)  12/16/05
Jer-Shen Maa (Signature) (Date)

(4)  12/16/05
Sheng Teng Hsu (Signature) (Date)
