

PATENT

Applicant: PINGSHAN LI et al.
Serial No.: 12/363,511
Filed: JANUARY 30, 2009
Title: TWO-DIMENSIONAL POLYNOMIAL MODEL FOR DEPTH ESTIMATION BASED ON
TWO-PICTURE MATCHING
Group:
Examiner:
Docket No. SONY.144A (50X9388.01)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT (DOCUMENT) COVER LETTER**PATENT OR PATENT APPLICATION****1. NAMES OF PARTY(IES) MAKING TRANSFER**

Name 1: PINGSHAN LI
Name 2: EARL WONG
Name 3: SOROJ TRITEYAPRASERT

2. IDENTITY OF PARTY(IES) TO WHOM TRANSFER IS MADE

This transfer is being made to:

Name: SONY CORPORATION
1-7-1 KONAN, MINATO-KU
TOKYO, 108-0075
JAPAN

Name: SONY ELECTRONICS INC.
Address: 1 SONY DRIVE
PARK RIDGE, NJ 07656

3. INTENTION OF DOCUMENT

A brief description of what the accompanying document intends to accomplish is that it is an:

X Assignment
— License

4. IDENTIFICATION OF PATENT OR APPLICATION

Particulars of the patent or application to which the accompanying document applies are:

Inventor(s):

PINGSHAN LI; EARL WONG; SOROJ TRITEYAPRASERT

For (title):

TWO-DIMENSIONAL POLYNOMIAL MODEL FOR DEPTH ESTIMATION
BASED ON TWO-PICTURE MATCHING

- (a) ☐ U.S. patent application filed herewith.
(b) ☒ U.S. patent application serial no. 12/363,511 filed on January 30, 2009.
(c) ☐ U.S. patent no. _____ issued _____.

5. NAME AND ADDRESS TO WHICH CORRESPONDENCE SHOULD BE MAILED

Please address all correspondence and return the recorded document to:

John P. O'Banion
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814

6. NUMBER OF APPLICATIONS OR PATENTS IDENTIFIED AND TOTAL FEE DUE

The number of applications or patents identified herein is: 1

Total Fee Due \$ 40.00

7. DATE DOCUMENT WAS EXECUTED

The accompanying document was executed on January 30, 2009.

8. FEE PAYMENT

Fee payment is provided for as follows:

☒ Charge Account No. 07-1137 in the sum of \$40

9. **STATEMENT OF AUTHENTICITY**

The undersigned certifies that, to the best of his or her knowledge and belief, the information contained in this cover sheet is true and correct, and any copy of the document submitted for recording is a true copy of the original document.

10. **SIGNATURE**

Dated: 2/12/09

A handwritten signature in black ink, appearing to read 'John P. O'Banion', written over a horizontal line.

John P. O'Banion, Reg. No. 33,201
O'BANION & RITCHEY LLP
400 Capitol Mall, Suite 1550
Sacramento, CA 95814
(916) 498-1010

PATENT

Attorney Docket No.: SONY.144A (50X9388.01)

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in **TWO-DIMENSIONAL POLYNOMIAL MODEL FOR DEPTH ESTIMATION BASED ON TWO-PICTURE MATCHING** for which application for Letters Patent of the United States of America for which application for Letters Patent of the United States of America has been filed on the date and has the serial number indicated below.

AND WHEREAS, **Sony Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-ku, Tokyo, 108-0075, Japan** and **Sony Electronics Inc, a Delaware corporation with offices at 1 Sony Drive, Park Ridge, New Jersey, 07656** (hereinafter referenced as ASSIGNEES) are desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEES thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

And I hereby authorize and request my attorney(s) of record in this application to insert the execution date, serial number and filing date of this application in the spaces that follow:

Serial Number: 121363,511, Filing Date: January 30, 2009.

This assignment is being executed on the date indicated below.

Inventor: Li Pingshan Date: 1/27/2009
PINGSHAN LI

STATE OF California
COUNTY OF Santa Clara ss.

On Jan 27, 2009 before me, Christine K. Schoville, Notary Public
(Date) (name and title) (notary public)

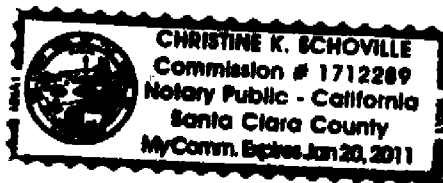
personally appeared Pingshan Li
name(s) of signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and office seal.

Christine K. Schoville
Notary Public



This assignment is being executed on the date indicated below.

Inventor: _____

EARL WONG

Date: _____

11/27/09

STATE OF _____

California

ss.

COUNTY OF _____

Santa Clara

On Jan 27, 2009 before me, Christine K. Schoville Notary Public
(Date) (name and title) (notary public)

personally appeared _____

Earl Wong

name(s) of signer(s)

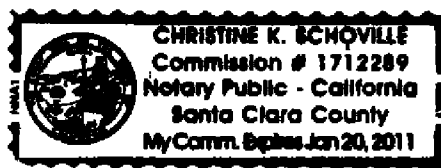
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the person(s)
or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

Witness my hand and office seal.

Christine K. Schoville

Notary Public



NO NOTARIZATION REQUIRED FOR THE FOLLOWING SIGNATURE

This assignment is being executed on the date indicated below.

Inventor: _____

SOROJ TRITEYAPRASERT

Date: _____

This assignment is being executed on the date indicated below.

Inventor: _____ Date: _____
EARL WONG

STATE OF _____)
COUNTY OF _____) ss.

On _____ before me, _____
(Date) (name and title) (notary public)

personally appeared _____
name(s) of signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and office seal.

Notary Public

NO NOTARIZATION REQUIRED FOR THE FOLLOWING SIGNATURE

This assignment is being executed on the date indicated below.

Inventor: Soroj Tritayaprasert Date: 30 Jan 2009
SOROJ TRITEYAPRASERT

O'BANION & RITCHEY ^{LLP}
INTELLECTUAL PROPERTY ATTORNEYS

Wells Fargo Center
400 Capitol Mall, Suite 1550
Sacramento, California 95814
Tel. (916) 498-1010
Fax (916) 498-1074

February 12, 2009

TELECOPIER TRANSMITTAL SHEET

TELECOPY TO: MAIL STOP ASSIGNMENT RECORDATION SERVICES
COMMISSIONER FOR PATENTS

FAX NUMBER: 571-273-0140

FROM: JOHN P. O'BANION

RE: SERIAL NO.: 12/363,511
DOCKET NO.: SONY.144A (50X9388.01)

CERTIFICATE OF FACSIMILE TRANSMISSION (37 CFR 1.8)

I hereby certify that the enclosed:

1. ASSIGNMENT RECORDATION COVER LETTER (3 PAGES)
2. ASSIGNMENT (4 PAGES)

are being facsimile transmitted to the United States Patent and Trademark Office (Fax No. 571-273-0140) on
12 February 2009.

JOHN P. O'BANION
(Type or print name of person signing certificate)

(Signature)

☒ Original will not follow

The information contained in this facsimile is highly confidential and may also be subject to attorney-client privilege. The information is intended only for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, distribution or copying of this communication is strictly prohibited. If you have received this in error, please notify us immediately by calling collect, and destroy this copy. Thank you.

NUMBER OF PAGES SENT (INCLUDING COVER SHEET): 8

IF THERE ARE ANY PROBLEMS OR QUESTIONS, PLEASE CONTACT US AT (916) 498-1010. OUR FAX NO. IS (916) 498-1074.