

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>XIANG RUAN</td> <td>09/20/2013</td> </tr> <tr> <td>TAKAYOSHI YAMASHITA</td> <td>09/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	XIANG RUAN	09/20/2013	TAKAYOSHI YAMASHITA	09/20/2013						
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CORRESPONDENCE DATA													
<p>Fax Number: (617)310-9000          Phone: 617-439-2000          Email: docket@nutter.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>          Correspondent Name: NUTTER MCCLENNEN &amp; FISH LLP          Address Line 1: 155 SEAPORT BOULEVARD          Address Line 2: SEAPORT WEST          Address Line 4: BOSTON, MASSACHUSETTS 02210-2604</p>													
ATTORNEY DOCKET NUMBER:	109625-00045												
NAME OF SUBMITTER:	JOHN J. PENNY, JR.												
Signature:	/John J. Penny, Jr./												
Date:	10/10/2013												
Total Attachments: 1 source=45assignment#page1.tif													

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**ASSIGNMENT OF US NON-PROVISIONAL APPLICATION**

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to the undersigned, the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

OMRON Corporation  
801, Minamifudodo-cho, Horikawahigashiiru, Shiokoji-dori,  
Shimogyo-ku, Kyoto-shi, KYOTO 600-8530 JAPAN

(Hereinafter designated "ASSIGNEE") the right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention disclosed in Japanese Patent Application JP2011-054650 and PCT Application No. PCT/JP2011/056778, from which U.S. Application No. 13/982,681 filed on July 30, 2013 claims priority; and any all divisions, continuations, substitutes, reissues thereof; and all applications claiming benefit thereto, and all resulting patents, known as

IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to THE said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the ASSIGNORS further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The ASSIGNORS also hereby grant the law firm of Nutter McClennen & Fish LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this documents.

Xiang Ruan

(inventor) *Xiang Ruan*

Dated this 20th day of September, 2013 :

Takayoshi Yamashita

(inventor) *Takayoshi Yamashita*

Dated this 20th day of September, 2013 :