

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Benjamin John Broughton</td> <td>07/24/2013</td> </tr> <tr> <td>Kenji Maeda</td> <td>08/08/2013</td> </tr> <tr> <td>Tatsuo Watanabe</td> <td>08/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Benjamin John Broughton	07/24/2013	Kenji Maeda	08/08/2013	Tatsuo Watanabe	08/08/2013
Name	Execution Date								
Benjamin John Broughton	07/24/2013								
Kenji Maeda	08/08/2013								
Tatsuo Watanabe	08/08/2013								
RECEIVING PARTY DATA									
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State/Country:	JAPAN								
Postal Code:	545-8522								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13962164</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13962164				
Property Type	Number								
Application Number:	13962164								
CORRESPONDENCE DATA									
Fax Number:									
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	SHRPP0195US								
NAME OF SUBMITTER:	Lawrence S. Drasner								
Signature:	/Lawrence S. Drasner/								

OP \$40.00 13962164

PATENT

Date:	08/20/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif</p>	

COMBINED DECLARATION AND ASSIGNMENT USING APPLICATION DATA SHEET (37 CFR 1.76)
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT)

Title: IMAGE PROCESSING FOR PRIVACY AND WIDE-VIEW USING ERROR DIFFUSION

I. DECLARATION

As a below named inventor or joint inventor, I hereby declare that:

This declaration is directed to:

- (a) X the attached application, or
(b) X United States application or PCT international application number 13/962,164
filed on 08 AUG 2013

The above-identified application was made or authorized by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby state that I have reviewed and understand the contents of the above-identified application.

I hereby acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- (c) X no such application have been filed.
(d) such applications have been filed as follows.

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Table with 4 columns: COUNTRY, APPLICATION NUMBER, DATE OF FILING (day, month, year), PRIORITY CLAIMED UNDER 35 USC §119. Includes Yes/No options for priority claimed.

## II. ASSIGNMENT

As a below named assignor, for good and valuable consideration acknowledged and received I hereby sell and assign my entire worldwide right, title and interest in the application and the invention(s), so far as concerns the United States and the Territories and Possessions thereof and all foreign countries to:

ASSIGNEE:

SHARP KABUSHIKI KAISHA 22-22, Nagaike-cho Abeno-ku, Osaka-shi Osaka, Japan 545-8522
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Including:

any and all related patent application(s) in the United States or a country foreign thereto, including continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues, reexaminations, extensions, non-provisional applications, convention, International (e.g., Patent Cooperation Treaty (PCT)) and other applications based in whole or in part upon the invention(s) or upon the application(s);

any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters Patent granted for the invention(s) or upon the application(s); and

every priority right that is or may be predicated upon or arise from the invention(s), the application(s) and the Letters Patent.

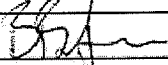
I additionally authorize the Assignee to file patent applications in my or the Assignee's name for Letters Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this Assignment and transfer not been made.

I hereby covenant that I have the full right to convey the entire interests herein assigned, and that I have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given.

I agree that each time a request is made, and without undue delay, I will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), the application(s) and the Letters Patent, to the Assignee, its successors or assigns.

I agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s); and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this document when that information becomes available.

<b>Full Name of Sole or First Inventor and Assignor:</b>		Benjamin John BROUGHTON	
Inventor's signature:		Date:	24/07/13
Post Office Address:	13 Nicholas Avenue Marston, Oxford OX3 0RN United Kingdom		

<b>Full Name of Second Inventor and Assignor:</b>		Kenji MAEDA	
Inventor's signature:		Date:	
Post Office Address:	22-22 Nagaike-cho Abeno-ku, Osaka-shi Osaka 545-8522 Japan		

<b>Full Name of Third Inventor and Assignor:</b>		Tatsuo WATANABE	
Inventor's signature:		Date:	
Post Office Address:	22-22 Nagaike-cho Abeno-ku, Osaka-shi Osaka 545-8522 Japan		

<b>Full Name of Fourth Inventor and Assignor:</b>			
Inventor's signature:		Date:	
Post Office Address:			

<b>Full Name of Fifth Inventor and Assignor:</b>			
Inventor's signature:		Date:	
Post Office Address:			

CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS COMBINED DECLARATION AND ASSIGNMENT

\_\_\_\_ Signature for sixth and subsequent joint inventors and assignors; number of pages added \_\_\_\_\_

\_\_\_\_ Added page to this combined declaration and assignment for divisional, continuation, or continuation-in-part (CIP) application.

This combined declaration and assignment ends with this page.

<b>Full Name of Sole or First Inventor and Assignor:</b>		Benjamin John BROUGHTON	
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<b>Full Name of Second Inventor and Assignor:</b>		Kenji MAEDA	
Inventor's signature:	<i>Kenji Maeda</i>	Date:	<i>Aug. 8. 2013</i>
Post Office Address:	22-22 Nagaike-cho Abeno-ku, Osaka-shi Osaka 545-8522 Japan		

<b>Full Name of Third Inventor and Assignor:</b>		Tatsuo WATANABE	
Inventor's signature:	<i>Tatsuo Watanabe</i>	Date:	<i>Aug. 8. 2013</i>
Post Office Address:	22-22 Nagaike-cho Abeno-ku, Osaka-shi Osaka 545-8522 Japan		

<b>Full Name of Fourth Inventor and Assignor:</b>			
Inventor's signature:		Date:	
Post Office Address:			

<b>Full Name of Fifth Inventor and Assignor:</b>			
Inventor's signature:		Date:	
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