

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>Satoshi KUBO</td> <td>07/19/2013</td> </tr> <tr> <td>Yusuke NAKASHIMA</td> <td>07/19/2013</td> </tr> <tr> <td>Yasuhiko KITAGAWA</td> <td>07/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Satoshi KUBO	07/19/2013	Yusuke NAKASHIMA	07/19/2013	Yasuhiko KITAGAWA	07/19/2013		
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<table border="1"> <tr> <td>Name:</td> <td>PFU LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>98-2, Nu, Unoke, Kahoku-shi</td> </tr> <tr> <td>City:</td> <td>ISHIKAWA</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>929-1192</td> </tr> </table>		Name:	PFU LIMITED	Street Address:	98-2, Nu, Unoke, Kahoku-shi	City:	ISHIKAWA	State/Country:	JAPAN	Postal Code:	929-1192
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 7035185499 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7036841111 Email: bjhgroup@ipfirm.com Correspondent Name: LOWE HAUPTMAN HAM & BERNER, LLP Address Line 1: 2318 Mill Road Address Line 2: Suite 1400 Address Line 4: ALEXANDRIA, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	4554-048A										
NAME OF SUBMITTER:	Benjamin J. Hauptman										
Signature:	/Benjamin J. Hauptman/										
Date:	07/27/2013										
<p>Total Attachments: 1 source=assignment1#page1.tif</p>											

OP \$40.00 13914076

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- 1) Satoshi KUBO
- 2) Yusuke NAKASHIMA
- 3) Yasuhiko KITAGAWA

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

PFU LIMITED having a place of business at 98-2, Nu, Unoke, Kahoku-shi, ISHIKAWA 929-1192, JP

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

APPARATUS AND METHOD FOR IMAGE PROCESSING

- (a) for which an application for United States Letters Patent was filed on June 10, 2013, and identified by United States Patent Application No. 13/914,076; or
- (b) for which an application for United States Letters Patent was executed on _____

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) 久保 諭
Name: Satoshi KUBO

19 Jun. 2013
Date:

2) 中島 裕介
Name: Yusuke NAKASHIMA

19 Jun. 2013
Date:

3) 北川 康彦
Name: Yasuhiko KITAGAWA

19 Jun 2013
Date: