

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Guotong Feng</td><td>01/16/2009</td></tr><tr><td>M. Dirk Robinson</td><td>01/16/2009</td></tr></tbody></table>	Name	Execution Date	Guotong Feng	01/16/2009	M. Dirk Robinson	01/16/2009					
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Ricoh Co., Ltd.</td></tr><tr><td>Street Address:</td><td>15-5 Minami Aoyama 1-Chome, Minato-Ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>107-8544</td></tr></table>	Name:	Ricoh Co., Ltd.	Street Address:	15-5 Minami Aoyama 1-Chome, Minato-Ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	107-8544	
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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>12355625</td></tr></tbody></table>	Property Type	Number	Application Number:	12355625							
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CORRESPONDENCE DATA											
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Total Attachments: 3 source=14993_US_Assignment#page1.tif source=14993_US_Assignment#page2.tif											

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PATENT
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Ricoh Co., Ltd., a corporation of Japan, having a place of business at 15-5 Minami Aoyama 1-Chome, Minato-Ku, Tokyo, Japan 107-8544 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **Imaging System Using Enhanced Spherical Aberration and Specifically Sized FIR Filters** ("APPLICATION"), which:

- ☐ is filed herewith.
- ☒ was filed on **January 16, 2009**
and now bears U.S. application serial number **12/355,625**.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Assignment:

Title: Imaging System Using Enhanced Spherical Aberration and Specifically Sized FIR Filters

Filed: January 16, 2009

Application No.: 12/355,625

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

Guotong Feng
Guotong Feng

Date of Signature

January 16, 2009

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA)

On _____, 2009 before me, _____, Notary Public, personally appeared _____, 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.

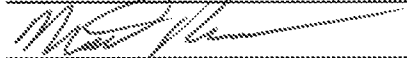
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____ (seal)

Assignment:
Title: Imaging System Using Enhanced Spherical Aberration and Specifically Sized FIR Filters
Filed: January 16, 2009
Application No.: 12/355,625

Name and Signature



M. Dirk Robinson

Date of Signature

January 16, 2009

STATE OF CALIFORNIA)
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On _____, 2009 before me, _____, Notary Public, personally appeared _____, 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.

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Signature: _____ (seal)