

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| Name | | Execution Date |
| Kazuhisa Ishiguro | | 10/22/2008 |
| RECEIVING PARTY DATA | | |
| Name: | NIIGATA SEIMITSU CO., LTD. | |
| Street Address: | 5-13, Nishishirocho 2-chome | |
| City: | Jyoetsu-shi, Niigata | |
| State/Country: | JAPAN | |
| Postal Code: | 943-0834 | |
| Name: | Ricoh Co., Ltd. | |
| Street Address: | 1-3-6, Nakamagome, Ota-ku | |
| City: | Tokyo | |
| State/Country: | JAPAN | |
| Postal Code: | 143-8555 | |
| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 12298370 | |
| CORRESPONDENCE DATA | | |
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| ATTORNEY DOCKET NUMBER: | 22040-00118-US1 | |

OP \$40.00 12298370

PATENT

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REEL: 021735 FRAME: 0603

NAME OF SUBMITTER:

Burton A. Amernick

Total Attachments: 3

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PATENT

REEL: 021735 FRAME: 0604

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Kazuhisa ISHIGURO, hereinafter referred to as Assignor(s), residing at 183-42, Nittakizaki-cho, Ota-shi, Gunma, 370-0321 JAPAN;

WHEREAS, Assignor(s) has/have invented certain new and useful improvements in
AUTOMATIC GAIN CONTROL CIRCUIT AND LOW NOISE AMPLIFYING CIRCUIT,
set forth in a
(check one):

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | Non-Provisional U.S. Patent Application for Letters Patent of the United States, |
| <input checked="" type="checkbox"/> | U.S. National Stage Entry of International Application Serial No. <u>PCT/JP2006/324303</u> |
| <input type="checkbox"/> | Continuation of U.S. Patent Application Serial No. _____, |
| <input type="checkbox"/> | U.S. Continuation of International Application. Serial No. _____, |
| <input type="checkbox"/> | Divisional of U.S. Patent Application Serial No. _____, |
| <input type="checkbox"/> | Continuation-in-Part Application (CIP) of U.S. Application Ser. No. _____, |

(check one):

- | | |
|-------------------------------------|----------------------------|
| <input checked="" type="checkbox"/> | attached herewith; |
| <input type="checkbox"/> | previously filed on _____; |
- and

WHEREAS, NIIGATA SEIMITSU CO., LTD. and Ricoh Co., Ltd., a Corporation respectively organized under and pursuant to the laws of Japan and respectively having their principal place of business at 5-13, Nishishirocho 2-chome, Jyoetsu-shi, Niigata, 943-0834 JAPAN and 1-3-6, Nakamagome, Ota-ku, Tokyo, 143-8555 JAPAN (hereinafter collectively referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) has/have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, its successors, legal representatives and assigns, the

entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor(s), had this sale and assignment not been made.

AND for the same consideration, Assignor(s) hereby represent(s) and warrant(s) to Assignees, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignor(s) are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant(s) and agree(s) to and with Assignees, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, its successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

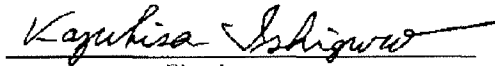
AND Assignor(s) hereby request(s) the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, its successors, legal representatives and assigns.

AND Assignor(s) hereby grant the following individuals 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 document:

CONNOLLY BOVE LODGE & HUTZ LLP,

All practitioners at Customer Number 30678.

AND Assignor(s) acknowledge(s) an obligation of assignment of this invention to Assignees at the time the invention was made.



<First Inventor>
Kazuhisa ISHIGURO

Date: October 22, 2008