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1. Name of conveying party(ies):
   Taisuke AKAHORI and Hiroyuki SUZUKI

Additional name(s) of conveying party(ies) attached?  [ ] Yes  [X] No

3. Nature of conveyance:
   [X] Assignment  [ ] Merger
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Execution Date: 13 February 2002

4. Application number(s) or patent number(s):
   If this document is being filed together with a new application, the execution date of the application is:
   A. Patent Application No.(s)  10/051,244
   B. Patent No.(s)

   Additional numbers attached?  [ ] Yes  [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Platon N. Maniros
   Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
            P.O. Box 1404
            Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved:  One (1)

7. Total fee (37 CFR § 3.41):  $40.00
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   Signature
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney's Docket No. 018987-036

Patent REEL: 012697 FRAME: 0056
ASSIGNMENT
(JOINT)

THIS ASSIGNMENT, by Taisuke AKAHORI, and Hiroyuki SUZUKI, residing at Toyokawa-Shi, Aichi-Ken, Japan and Toyokawa-Shi, Aichi-Ken, Japan (hereinafter referred to as "the Assignors"), respectively, witnesses:

WHEREAS, the Assignors have invented certain new and useful improvements in IMAGE PROCESSING APPARATUS, IMAGE FORMING APPARATUS, AND IMAGE PROCESSING METHOD set forth in an application for Letters Patent of the United States,

☐ provisional application ☒ non-provisional application

1. (a) ☐ filed herewith;
   (b) ☐ to be filed;
2. ☐ having an oath or declaration executed on even date herewith prior to filing of application;
3. ☒ bearing Application No. 02/053,244, and filed on Jan. 22, 2002.

WHEREAS, MINOLTA CO., LTD., a corporation duly organized under and pursuant to the laws of Japan and having a principal place of business at Osaka-Kokusai Bldg., 3-13, 2-Chome, Azuchi-Machi, Chuo-Ku, Osaka-Shi, Osaka Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;
AND for the same consideration, the Assignors hereby covenant and agree to
and with the Assignee, its successors, legal representatives, and assigns, that, at the time of
execution and delivery of these presents, the Assignors are the sole and lawful owners of the
entire right, title, and interest in and to the inventions set forth in said applications and said
applications, including provisional applications, above-mentioned, and that the same are
uncumbered, and that the Assignors 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, the Assignors hereby covenant and agree to
and with the Assignee, its successors, legal representatives, and assigns that the Assignors
will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives,
and assigns, shall advise that any proceeding in connection with said inventions or said
applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent
or Patents for said inventions in any country, including interference proceedings, is lawful and
desirable, or that any application claiming priority to said application, division, continuation, or
continuation-in-part of any applications for Letters Patent or Patents, or any reissue or
extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable,
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 Letters Patent or
Patents for said inventions, without charge to the Assignee, its successors, legal
representatives, and assigns, but at the cost and expense of the Assignee, its successors,
legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Burns, Doane,
Swecker & Mathis, L.L.P., of Alexandria, Virginia, to insert in the spaces provided above the
filing date, application number, and attorney's docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any
and all said Letters Patent of the United States to the Assignee as the Assignee of said
inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its
successors, legal representatives, and assigns.

DATE      Feb. 13, 2002  Signature: Taisuke Akahori
Taisuke    AKAHORI  SIGNATURE OF ASSIGNOR

DATE      Feb. 13, 2002  Signature: Hiroyuki Suzuki
Hiroyuki   SUZUKI   SIGNATURE OF ASSIGNOR

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