

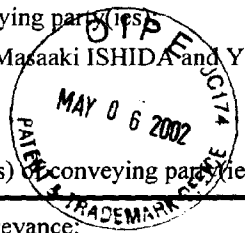


To the Honorable Commissioner of Patents

102085157

and original documents or copy thereof.

1. Name of conveying party(ies)
Hidetoshi EMA, Masaaki ISHIDA and Yasuhiro NIHEI



5-6-02

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

2. Name and address of receiving party(ies):

Name: RICOH COMPANY, LTD.
Address: 3-6, Nakamagome 1-chome,
Ohta-ku, Tokyo 143-8555, Japan

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: April 10, 2002

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s):

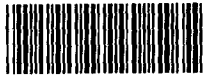
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A. Patent Application No.(s)
10/095,913

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:



22850

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
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Marvin J. Spivak
Name of Person Signing

Paul A. Sacher
Signature

5/6/02
Date

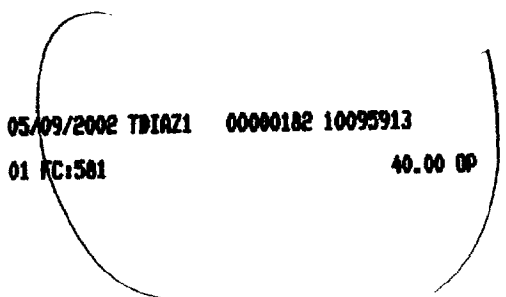
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Assignment Of Application

WHEREAS, I (WE) HIDETOSHI EMA, MASAOKI ISHIDA and

YASUHIRO NIHEI

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

of Kanagawa, Japan,

Kanagawa, Japan and

Kanagawa, Japan

_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: LIGHT-EMISSION MODULATION
HAVING EFFECTIVE SCHEME OF CREATING GRAY SCALE ON IMAGE,

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on April 10, 2002

(Application No. 10/095,913, filed March 13, 2002), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, RICOH COMPANY, LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: _____

3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan,

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: April 10, 2002

Hidetoshi Ema
(Signature of Inventor) HIDETOSHI EMA

Date: April 10, 2002

Masaaki Ishida
(Signature of Inventor) MASAAKI ISHIDA

Date: April 10, 2002

Yasuhiro Nihei
(Signature of Inventor) YASUHIRO NIHEI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW
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Attest:

[Signature]
[Signature]