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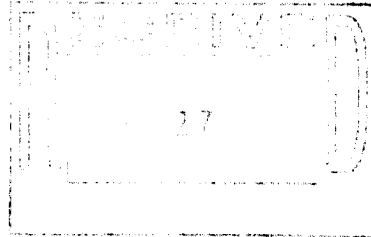
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PATENTS
TRADEMARKS
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July 24, 1998



BOX ASSIGNMENTS
Hon. Commissioner For Patents
Washington, D.C. 20231

Re: Recordation of Patent Application Assignment (Atty Ref: 98,133)

Dear Sir:

Please record the enclosed original document:

1. The names of the conveying party are: Kenichi Minami, Yoshinobu Tonomura, Akihito Akutsu, Yukinobu Taniguchi, and Takashi Satou.
2. The name and address of the receiving parties are: Nippon Telegraph and Telephone Corporation, 20-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo, Japan.
3. The conveyance is an Assignment executed by Kenichi Minami, Yoshinobu Tonomura, Akihito Akutsu, Yukinobu Taniguchi, and Takashi Satou on July 6, 1998.
4. The Patent Application against which the document is to be recorded is Serial No. 09/099,189, which was filed on June 18, 1998.
5. All correspondence concerning this document should be mailed to: Olson & Hierl, Ltd., 20 North Wacker Drive, 36th Floor, Chicago, IL 60606. Please return the original document to the attention of the undersigned.
6. One application is involved at a recordal fee of \$40.00 (37 C.F.R. 1.21[h]).
7. The total fee (37 C.F.R. 3.41) of \$40.00 (check no. 12201) is enclosed.
8. Please charge any deficiency or credit any overpayment to Deposit Account No. 15-0508.

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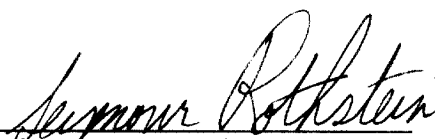
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PATENT
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9. To the best of my knowledge and belief, the foregoing information is true and correct, and the enclosed is the original document.

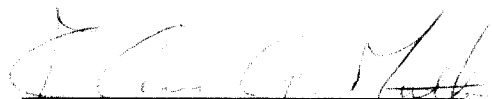
Respectfully submitted,

By 
Seymour Rothstein
(Reg. No. 19,369)

SR/eam
Enclosures

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: BOX ASSIGNMENT, Assistant Commissioner for Patents, Washington, D.C. 20231 on this 24th day of July, 1998.


Elaine A. Mathis

ASSIGNMENT

Case No.: MM-98133

Serial No.: 09/099,189

Inventors: **Kenichi MINAMI, Yoshinobu TONOMURA, Akihito AKUTSU,
Yukinobu TANIGUCHI, Takashi SATOU**

Date of Execution
of Application: July 6, 1998

Filing Date: June 18, 1998

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

Nippon Telegraph and Telephone Corporation, a Japanese Corporation

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**SCHEME FOR INTERACTIVE VIDEO MANIPULATION AND
DISPLAY OF MOVING OBJECT ON BACKGROUND IMAGE**

and identified as:

Case No. MM-98133

in the offices of Olson & Hierl, Ltd. and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 6th day of July, 1998.

Kenichi Minami
Kenichi MINAMI

Country of Japan

The foregoing instrument was acknowledged before me this _____ day of _____, 1998 by **Kenichi MINAMI**.

NOTARY PUBLIC

11-81

WITNESS my hand and seal this 6th day of July, 1998.

Yoshinobu Tonomura
Yoshinobu TONOMURA

Country of Japan

The foregoing instrument was acknowledged before me this _____ day of _____, 1998 by Yoshinobu TONOMURA.

NOTARY PUBLIC

WITNESS my hand and seal this 6th day of July, 1998.

Akihito Akutsu
Akihito AKUTSU

Country of Japan

The foregoing instrument was acknowledged before me this _____ day of _____, 1998 by Akihito AKUTSU.

NOTARY PUBLIC

WITNESS my hand and seal this 6th day of July, 1998.

Y. Taniguchi
Yukinobu TANIGUCHI

Country of Japan

The foregoing instrument was acknowledged before me this _____ day of _____, 1998 by Yukinobu TANIGUCHI.

NOTARY PUBLIC

WITNESS my hand and seal this 6th day of July, 1998.

Takashi Satou

Takashi SATOU

Country of Japan

The foregoing instrument was acknowledged before me this _____ day of _____, 1998 by **Takashi SATOU**.

NOTARY PUBLIC