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FORM PTO-1595
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RECORDAT



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To the Assistant Commissioner for Patents:

Please record the attached original documents or copy thereof.

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):

Shiro SUYAMA
Hideaki TAKADA
Kazutake UEHIRA

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

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

Name: NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Internal Address: _____

Street Address: 19-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-8019 Japan

City: _____

State: _____ ZIP: _____

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: May 11, 1999

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: May 11, 1999

A. Patent Application Nos.

B. Patent No. (s)

09/314072

Additional numbers attached? YES NO

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

Name: Mr. Ernest F. Chapman
Internal Address: _____
Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

Street Address: _____
1300 I Street, N.W.
City: Washington, D.C.
State: _____ ZIP: 20005

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 06-0986

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ernest F. Chapman
Name of Person Signing

Ernest F. Chapman
Signature

May 19, 1999
Date

Total number of pages including cover sheet, attachments and document: 2

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09/314072
05/19/99

05/26/1999 WILLIAM I. 00000072 09314072
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A S S I G N M E N T

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled: A THREE-DIMENSIONAL REPRESENTATION METHOD AND AN APPARATUS THEREOF

for which I/WE executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on _____, 19____ (Serial No. _____); and

WHEREAS, NIPPON TELEGRAPH AND TELEPHONE CORPORATION, a corporation of Japan, whose post office address is 19-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-8019, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, an interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful paper when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor	: Assignor's Signature	: Date
Shiro SUYAMA	: <i>Shiro Suyama</i>	: May 11, 1999
Address c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION		: Citizenship
20-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419, Japan		: Japan
2. Full Name of Second Assignor	: Assignor's Signature	: Date
Hideaki TAKADA	: <i>Hideaki Takada</i>	: May 11, 1999
Address c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION		: Citizenship
20-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419, Japan		: Japan
3. Full Name of Third Assignor	: Assignor's Signature	: Date
Kazutake UEHIRA	: <i>Kazutake Uehira</i>	: May 11, 1999
Address c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION		: Citizenship
20-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419, Japan		: Japan

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. - WASHINGTON, D.C.