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Case Docket No. 980894

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Assistant Commissioner for Patents
Please record the attached original documents or copy thereof.

1. Name of conveying parties:

**Dieter RITTER, Yukinori MATSUMOTO, Kazuhide SUGIMOTO and
Tsutomu ARAKAWA**

Additional name(s) of conveying parties attached? Yes ___ No XX

2. Name and address of receiving party:

Name: SANYO ELECTRIC CO., LTD.

Street Address: 5-5, Keihanhondori 2-chome, Moriguchi-shi, Osaka, Japan

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

3. Nature of conveyance: Assignment

Execution Date: September 18, 1998, September 27, 1998, September 27, 1998 and
September 28, 1998

4. Title: APPARATUS AND METHOD OF THREE-DIMENSIONAL MODELING

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

A. Patent Application No.(s)
09/120,468

B. Patent No.(s)

If this document is being filed together with a new application, the execution date of the
application is: _____

Additional numbers attached? Yes ___ No XX

10/16/1998 JMWTKINS 00000082 09120468

01 FC:581

40.00 DP

PATENT
REEL: 9503 FRAME: 0935

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

Name: ARMSTRONG, WESTERMAN, HATTORI,
MCLELAND & NAUGHTON
1725 K Street, N.W., Suite 1000
Washington, D.C. 20006

7. Total number of applications and patents involved: 1

8. Total fee (37 CFR 3.41). \$40.00

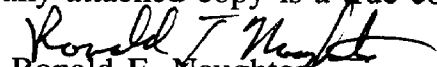
Enclosed

Authorized to be charged to Deposit Account

9. Deposit Account No.: 01-2340

10. 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.


Ronald F. Naughton

Name of Person Signing

Signature

October 9, 1998
Date

24,616
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Rev. 2/97

ATTORNEY DOCKET NO. 980894

ASSIGNMENT

Serial No. 09/120,468

Filed July 23, 1998

WHEREAS, Dieter RITTER, Yukinori MATSUMOTO, Kazuhide SUGIMOTO,
and Tsutomu ARAKAWA

Insert Name(s)
of Inventor(s)

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
in Appratus and Method of Three-Dimensional Modeling

Insert Title
of Invention

for which an application for Letters Patent of the United States of America has been executed by the
undersigned on September 18, 27 and 28, 1998; and

Insert Date
of Signing of
Application

WHEREAS, Sanyo Electric Co., Ltd.

Insert Name
of Assignee

Insert Address
of Assignee

of 5-5, Koihanhondori 2-chome, Moriguchi-shi, Osaka, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is
desirous of acquiring the entire right, title and interest in and to said invention and in and to any
Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in
hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration,
the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and
transfer unto said Assignee the full and exclusive right to the said invention in the United States of
America and its territories, dependencies and possessions and the entire right, title and interest and
to any and all Letters Patent(s) which may be granted therefor in the United States of America and
its territories, dependencies and possessions, and in and to any and all divisions, reissues,
continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and
any continuing, divisional or reissue applications thereof and also to execute separate assignments in
connection with such applications as the Assignee may deem necessary or expedient.


The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

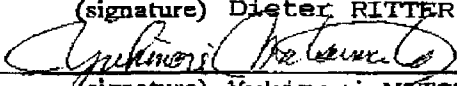
The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention of the Protection of Industrial Property or similar agreements.

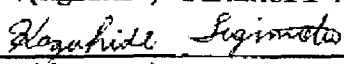
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

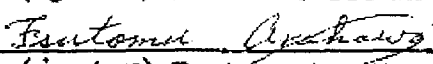
The undersigned hereby authorize(s) the request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Michaelson & Wallace 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 U.S. Patent and Trademark Office for recordation of this document.

Date 78.9.1998, Name of Inventor 
 (signature) Dieter RITTER

Date 27/Sept/1998, Name of Inventor 
 (signature) Yukinori MATSUMOTO

Date 27/sep/1998, Name of Inventor 
 (signature) Kazuhide SUGIMOTO

Date 28/sep/1998, Name of Inventor 
 (signature) Tsutomu ARAKAWA

Date _____, Name of Inventor _____
 (signature)

Date _____, Name of Inventor _____
 (signature)

Date _____, Name of Inventor _____
 (signature)

Date _____, Name of Inventor _____
 (signature)

Date _____, Name of Inventor _____
 (signature)

Date _____, Name of Inventor _____
 (signature)

980894

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Yukinori MATSUMOTO, et al.

Application No: 09/120,468

Filed: July 23, 1998

For: **APPARATUS AND METHOD OF
THREE-DIMENSIONAL
MODELING**The Assistant Commissioner for Patents
Washington, D.C. 20231CONSENT OF ASSIGNEE

Sir:

I, Nagatoshi SUGIHARA, Senior Manager of R&D Headquarters,Intellectual Property Department of Sanyo Electric Co.,

Ltd. do hereby disclose that Sanyo Electric Co., Ltd., the assignee of the above-captioned application, consents to the withdrawal of Hajime TERASAKI as an inventor of the invention claimed in the above-captioned application.

I further represent and disclose that I have been duly authorized to submit this Consent on behalf of Sanyo Electric Co. Ltd.

Signed this 1st day of October.

SANYO ELECTRIC CO., LTD.

Nagatoshi Sugihara(Name) Nagatoshi SUGIHARA
Senior Manager of
R&D Headquarters, Intellectual
Property Department(Title)

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