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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Seiichiro HIRATSUKA  
Etsuko SATOH

1030-21

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

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: \_\_\_\_\_

Street Address: 1006, Oaza Kadoma, Kadoma-shi,  
Osaaka, JAPAN

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: October 19, 2001

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

If this document is being filed together with a new application, the execution date of the application is: October 19, 2001

A. Patent Application No.(s)

B. Patent No.(s)

11/01/2001 MAHMED1 00000015 09984597  
02 FC:581 40.00 DP

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Additional numbers attached?  Yes  No

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

Name: James E. Ledbetter, Esq.

Internal Address: Registration No. 28,732

STEVENS, DAVIS, MILLER & MOSHER, LLP

L7016.01138

Street Address: 1615 L Street, N.W., Suite 850

City: Washington State: DC ZIP: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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19-4375

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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.

James E. Ledbetter

October 30, 2001

Name of Person Signing

Signature

2

Date

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

11017 U.S. PTO  
09/984597

**ASSIGNMENT**

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation organized under the laws of Japan, located at 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

"METHOD AND APPARATUS FOR THREE-DIMENSIONAL SIGNAL CONVERSION"

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith,

and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)	WITNESSES (立会人サイン)
1) <u>Seiichiro Hiratsuka</u> Seiichiro HIRATSUKA	October 19, 2001	<u>Katsumasa Ito</u>
2) <u>Etsuko Satoh</u> Etsuko SATOH	October 19, 2001	<u>Katsumasa Ito</u>
3) _____	_____	_____
4) _____	_____	_____
5) _____	_____	_____
6) _____	_____	_____
7) _____	_____	_____
8) _____	_____	_____
9) _____	_____	_____