

06-05-2003

6-7-03

To the Honor  
Please record



marks:  
thereof.

102464819

1. Name of conveying party(ies):

[FAMILY NAME (ALL CAPS), Given Name]

**KIMURA, Tomohiro**

**YOSHIDA, Masayuki**

Additional name(s) of conveying party(ies) attached?

YES  NO

2. Name and address of receiving party(ies)

Name: **MITSUBISHI DENKI KABUSHIKI KAISHA**

Internal Address:

Street Address: **2-3, Marunouchi 2-chome, Chiyoda-Ku**

City: **Tokyo** State: ZIP:

Country: **JAPAN** Postal Code: **100-8310**

Additional name(s) & address(es) attached?  YES  NO

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other:

Execution Date: **November 12, 2002**

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: **November 12, 2002**

A. Patent Application No(s).

**NEW**

B. Patent No.(s).

10870610

Additional numbers attached?  YES  NO

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

Name: **BIRCH, STEWART, KOLASCH & BIRCH, LLP**

Street Address: **P.O. BOX 747**

City: **FALLS CHURCH** State: **VA** ZIP: **22040-0747**

Country: **USA**

6. Total No. of applications/patents involved: **ONE (1)**

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

- Enclosed
- Authorized to be charged to deposit account, **if no fee attached.**

8. Deposit account number: **02-2448**

(Attach triplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

**D. Richard Anderson, #40,439**

Name of Person Signing/Reg. No.

Signature

**June 2, 2003**

Date

Total number of pages including cover sheet, attachments, and document: **SEVEN (7)**

06/04/2003 DBYRME 00000135 10320610

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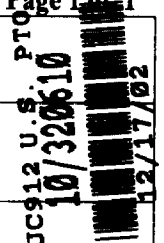
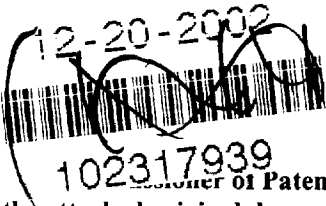
40.00 DP

DRA/ka

(Rev. 02/11/02)

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HEET



To the 1  
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] <b>KIMURA, Tomohiro</b> <b>YOSHIDA, Masayuki</b> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>2. Name and address of receiving party(ies) Name: <b>mitsubishi denki kabushikaisha</b> Internal Address: Street Address: <b>2-3, Marunouchi 2-chome, Chiyoda-Ku</b> City: <b>Tokyo</b> State: ZIP: Country: <b>JAPAN</b> Postal Code: <b>100-8310</b> Additional name(s) &amp; address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
<p>3. Nature of conveyance: <b>MRD 12/17/02</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other:  <b>Execution Date: November 12, 2002</b></p>	

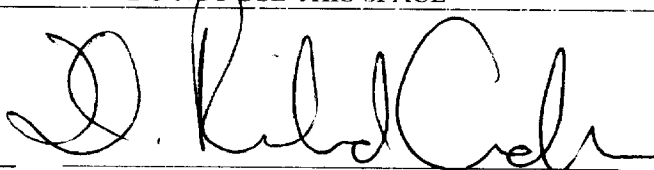
4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: **November 12, 2002**

<p>A. Patent Application No(s). <b>10320610</b> <b>NEW</b></p>	<p>B. Patent No.(s).</p>
<p>Additional numbers attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP</b> Street Address: <b>P.O. BOX 747</b> City: <b>FALLS CHURCH</b> State: <b>VA</b> ZIP: <b>22040-0747</b> Country: <b>USA</b></p>	<p>6. Total No. of applications/patents involved: <b>ONE (1)</b> 7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, <b>if no fee attached.</b> 8. Deposit account number: <b>02-2448</b>  (Attach triplicate copy of this page if paying by deposit account)</p>
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DO NOT USE THIS SPACE

9. Statement and signature.

<p><u>D. Richard Anderson, #40,439</u> Name of Person Signing/Reg. No.</p>	 Signature	<p><u>December 17, 2002</u> Date</p>
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Total number of pages including cover sheet, attachments, and document: **THREE (3)**

DRA/ka  
(Rev. 02/11/02)

ATTORNEY DOCKET NO. 2565-0258p

# ASSIGNMENT

Dec. 17, 2002

Application No. NEW

Filed \_\_\_\_\_

Insert Name(s)  
of Inventor(s)

WHEREAS, Tomohiro Kimura and Masayuki Yoshida

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in  
Encoding Apparatus, Decoding Apparatus, Encoding/Decoding  
Apparatus, Encoding Method, Decoding Method,  
Encoding/Decoding Method and Programs

Insert Date  
of Signing of  
Application

for which an application for Letters Patent of the United States of America has been executed by the undersigned  
on November 12, 2002;  
and

Insert Name of  
Assignee

WHEREAS, Mitsubishi Denki Kabushiki Kaisha

Insert Address  
of Assignee

of 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan

CHECK ONE  
BOX

Its heirs, successors, legal representatives and the 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

- (1)  United States of America only; or  
(2)  United States of America and any and all foreign countries

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) 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:

1. the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, if box (1) above is designated;

or

2. the United States of America, its territories, dependencies and possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions and in any and all foreign countries, if box (2) above is designated;

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 Letter 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 for 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 of America patent(s) or a grant of a valid United States of America and any foreign 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) and request(s) the Patent and Trademark Office Officials in the United States of America and/or any and all foreign countries to issue any and all Letters Patents 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 Birch, Stewart, Kolasch and Birch, LLP 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date November 12, 2002, Name of Inventor Tomohiro Kimura (SEAL)  
(signature) Tomohiro Kimura

Date November 12, 2002, Name of Inventor Masayuki Yoshida (SEAL)  
(signature) Masayuki Yoshida

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

The execution by the Inventor(s) of this assignment may be witnessed by at least two persons who sign here.

Witness [Signature]

Witness [Signature]

With the corrections being underlined, please ensure that the Corrected Notice of Recordation reads:

**ASSIGNEE: MITSUBISHI DENKI KABUSHIKI KAISHA**

Please provide a Corrected Notice of Recordation incorporating the above correction.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

D. Richard Anderson, #40,439

DRA/ka  
2565-0258P

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

ATTACHMENTS: New Recordation Form Cover Sheet  
Copy of Notice of Recordation  
Copy of previous Recordation Form Cover Sheet  
Copy of Assignment  
Check in the amount of \$40.00

(Rev. 04/30/03)