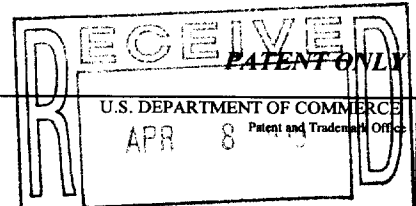


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SHEET

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

<p>1. Name of conveying party(ies):          1) Shuji Miyasaka      5) Masaharu Matsumoto          2) Takeshi Fujita      6) Takashi Katayama          3) Masahiro Sueyoshi    7) Kazutaka Abe          4) Akihisa Kawamura    8) Kosuke Nishio</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment                      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement           <input type="checkbox"/> Change of Name  <input type="checkbox"/> Correction of Assignment Recordation              (previously recorded at Reel _____, Frame _____).  <input type="checkbox"/> Other</p> <p>Execution Date: <u>March 16, 1999</u></p>	<p>2. Name and address of receiving party(ies):          Name: <u>Matsushita Electric Industrial. Co., Ltd.</u>          Internal Address: _____          Street Address: <u>1006, Oaza Kadoma, Kadoma-shi</u>          City: <u>Osaka</u> State: <u>JAPAN</u> ZIP: <u>571-8501</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
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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: \_\_\_\_\_  
 A. Patent Application Number(s) 09/244,155                      B. Patent Number(s) \_\_\_\_\_

Additional number(s) attached?  YES  NO

<p>5. Name and address of party to whom correspondence concerning document should be mailed:          Name: <u>Andrew L. Ney</u></p> <p>Internal Address: <u>Ratner &amp; Prestia</u></p> <p>Street Address: <u>Suite 301, One Westlakes, Berwyn,</u>  <u>P.O. Box 980</u>          City: <u>Valley Forge</u> State: <u>PA</u> ZIP: <u>19482-0980</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41):      \$ <u>40.00</u>  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>18-0350</u>          (Attach duplicate copy of this page if paying by deposit account.)</p>
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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.*

Andrew L. Ney                                      Andrew L. Ney                                      April 6, 1999  
 Name of Person Signing                      Signature    Date

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01 FC:561                                      40.00 DP

## **ASSIGNMENT**

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Shuji MIYASAKA; 19-4, Narita-cho,  
Neyagawa-shi, Osaka Japan
2. Takeshi FUJITA; 3-15-101-302, Kamihamuro,  
Takatsuki-shi, Osaka Japan
3. Masahiro SUEYOSHI; 1-32-11, Kitayama,  
Hirakata-shi, Osaka Japan
4. Akihisa KAWAMURA; 1-18-21-504, Higashinakaburi,  
Hirakata-shi, Osaka Japan
5. Masaharu MATSUMOTO; 5-5-3-403, Hoshidanishi,  
Katano-shi, Osaka Japan
6. Takashi KATAYAMA; 6-3-308, Myokenzaka,  
Katano-shi, Osaka Japan
7. Kazutaka ABE; 25-3, Mido-cho,  
Kadoma-shi, Osaka Japan
8. Kosuke NISHIO; 22-7, Korinishino-cho,  
Neyagawa-shi, Osaka Japan

has invented and owns a certain invention entitled:

EXPONENTIAL CALCULATION DEVICE AND DECODING DEVICE

for which application for Letters Patent of the United States was filed on February 3, 1999, and assigned Serial No. 09/244,155, and

Whereas, the ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, Oaza Kadoma, Kadoma-shi,  
Osaka 571-8501 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this 16th day of March, 1999.

1. Shuji Miyasaka  
(Shuji MIYASAKA)

2. Takeshi Fujita  
(Takeshi FUJITA)

3. Masahiro Sueyoshi  
(Masahiro SUEYOSHI)

4. Akihisa Kawamura  
(Akihisa KAWAMURA)

5. Masaharu Matsumoto  
(Masaharu MATSUMOTO)

6. Takashi Katayama  
(Takashi KATAYAMA)

7. Kazutaka Abe  
(Kazutaka ABE)

8. Kosuke Nishio  
(Kosuke NISHIO)