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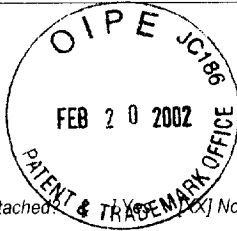
TO THE HONORABLE  
Please record.

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PATENTS ONLY

REMARKS  
, thereof

1. Name of conveying party(ies)  
 (1) Hisashi TAKAYAMA  
 (2) Kyoko KAWAGUCHI  
 (3) Yoshiaki NAKANISHI  
 (4) Osamu SASAKI  
 (5) Atsushi ANDO

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and Address of receiving party(ies)  
 Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
 Address: 1006, Oaza Kadoma  
Kadoma-shi  
Osaka, JAPAN

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

## 3. Nature of conveyance:

☒ Assignment ☐ Change of Name ☐ Other \_\_\_\_\_  
☐ Security Agreement ☐ Merger

Execution Date: October 25, 2001

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: \_\_\_\_\_  
 Date

A. Patent Application No(s).  
09/958,027

B. Patent No(s).

. . . . .

Additional numbers attached? ☐ Yes ☒ No

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

**BROWDY AND NEIMARK, P.L.L.C.**  
**624 Ninth Street, N.W.**  
**Suite 300**  
**Washington, D.C. 20001-5303**

6. Number of applications and patents involved:  
**One ( 1 )**

7. Amount of fee enclosed or authorized to be charged:  
**\$40.00**

8. PTO Form-2038 in the amount of \$40.00 is attached.

Do Not Use This Space

## 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.

Norman J. Latker (Reg. No. 19,963)

Name of Person Signing

Signature

2/19/02

Date

NJL:tsa

Total number of pages including cover sheet[03]

# ASSIGNMENT

(1-5) Insert Name(s) of Inventor(s).

(1) Hisashi TAKAYAMA

(2) Kyoko KAWAGUCHI

(3) Yoshiaki NAKANISHI

(4) Osamu SASAKI

(5) Atsushi ANDO

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(6) Insert name of Assignee

(6) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

(7) Insert address of Assignee

(7) 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(8) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(8) INFORMATION TERMINAL

Foreign  
Application or  
Case No.

for which the undersigned has (have) executed an application for patent in the United States of America

(9) Insert Date of Signing of Application

(9) on October 25, 2001

(10) Alternative identification for filed applications

(10) U.S. application Serial Number \_\_\_\_\_  
filed \_\_\_\_\_

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agree(s) to communicate to the Assignee or representatives thereof any facts known to me (us) respecting the invention and improvements thereof, and will, upon request, but without expense to me (us), testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

6) The undersigned hereby grant(s) the firm of Browdy and Neimark 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 United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

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

(1) Date Oct. 25, 2001 Name of Inventor Hisashi TAKAYAMA

高山 久

(2) Date Oct. 25, 2001 Name of Inventor Kyoko KAWAGUCHI

川口 京子

(3) Date Oct. 25, 2001 Name of Inventor Yoshiaki NAKANISHI

中西 良明

(4) Date Oct. 25, 2001 Name of Inventor Osamu SASAKI

佐々木 理

(5) Date Oct. 25, 2001 Name of Inventor Atsushi ANDO

安藤 敦史

Date \_\_\_\_\_ Witness \_\_\_\_\_

Date \_\_\_\_\_ Witness \_\_\_\_\_

PATENT

RECORDED: 02/20/2002

REEL: 012597 FRAME: 0896