

Form PTO  
OMB No. 1

08-08-2007

IAP8 Rec'd PCT/PTO 01 AUG 2007  
11/883524

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103434685

FORM COVER SHEET  
NTS ONLY

To the

Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Yoshifumi MURAKAMI (07/23/2007), Masaaki  
TERANO (07/23/2007), Fumiaki OOBAYASHI  
(07/23/2007),

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: MATSUSHITA ELECTRIC WORKS, LTD.

Internal Address:

Street Address:

1048, Oaza-Kadoma

City: Kadoma-shi

State: Osaka

Country: JAPAN Zip: 571-8686

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

4. Application or patent number(s):

A. Patent Application No.(s)

THIS APPLICATION

☒ This document is being filed together with a new application.

B. Patent No.(s)

11/883524

Additional numbers attached? ☐ Yes ☒ No

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

Name: Lee Cheng  
RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: HOK-0303

Street Address: 1233 20th Street, N.W.  
Suite 501

City: Washington

State: DC Zip: 20036

Phone Number: (202) 955-3750

Fax Number: (202) 955-3751

Email Address: lc@raderfishman.com

6. Total number of applications and  
patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers  
Expiration Date

b. Deposit Account Number 18-0013  
Authorized User Name Lee Cheng

9. Signature:

Signature

August 1, 2007  
Date

Lee Cheng - 40,949  
Name of Person Signing

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

3

11/883524

11/883524

LAP8 Rec'd PCT/PTO 01 AUG 2007

RECORDATION FORM COVER SHEET (PTO-1595)  
(supplemental sheet)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Toshiyuki MIYAKE (07/23/2007), Satoru KUNO (07/23/2007), and Masayuki HARADA (07/23/2007)

Additional Assignees (2. Continued):

Assignee Name: National University Corporation Nagoya University

Internal Address:

Street Address: 1, Furo-cho, Chikusa-ku

City: Nagoya-shi State: Aichi Country: JAPAN Zip: 464-8601

Assignee Name: \_\_\_\_\_

Internal Address:

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address:

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers  
4A. Continued:

Additional Patent Numbers  
4B. Continued:

Additional numbers attached?

☐ Yes ☐ No

11/88352

Packet No. \_\_\_\_\_

**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

Matsushita Electric Works, Ltd. of 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686, Japan;  
And National University Corporation Nagoya University of 1, Furo-cho, Chikusa-ku,  
Nagoya-shi, Aichi 464-8601, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

ENVIRONMENTAL APPARATUS CONTROL SYSTEM

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

(Rader, Fishman & Grauer, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)  
of Assignor(s)]

<u>村上 昌史</u> (Signature)	<u>Yoshifumi MURAKAMI</u> (Type Name)	<u>July 23, 2007</u> (Date)
<u>寺野 真明</u> (Signature)	<u>Masaaki TERANO</u> (Type Name)	<u>July 23, 2007</u> (Date)
<u>大村 史明</u> (Signature)	<u>Fumiaki OOBAYASHI</u> (Type Name)	<u>July 23, 2007</u> (Date)
<u>三宅 利幸</u> (Signature)	<u>Toshiyuki MIYAKE</u> (Type Name)	<u>July 23, 2007</u> (Date)
<u>河野 寛</u> (Signature)	<u>Satoru KUNO</u> (Type Name)	<u>July 23, 2007</u> (Date)
<u>原田 昌幸</u> (Signature)	<u>Masayuki HARADA</u> (Type Name)	<u>July 23, 2007</u> (Date)

**PATENT****REEL: 019683 FRAME: 0513**

11/883524  
IAP8 Rec'd PCT/PTO 01 AUG 2007

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Yoshifumi MURAKAMI (07/23/2007), Masaaki  
TERANO (07/23/2007), Fumiaki OOBAYASHI  
(07/23/2007),

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: MATSUSHITA ELECTRIC WORKS, LTD.

Internal Address:

Street Address:

1048, Oaza-Kadoma

City: Kadoma-shi

State: Osaka

Country: JAPAN Zip: 571-8686

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

4. Application or patent number(s):

A. Patent Application No.(s)

THIS APPLICATION

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Lee Cheng  
RADER, FISHMAN & GRAUER PLLC

Internal Address: Atty. Dkt.: HOK-0303  
Street Address: 1233 20th Street, N.W.  
Suite 501

City: Washington

State: DC Zip: 20036

Phone Number: (202) 955-3750

Fax Number: (202) 955-3751

Email Address: lc@raderfishman.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers  
Expiration Date

b. Deposit Account Number 18-0013  
Authorized User Name Lee Cheng

9. Signature:

Signature

Lee Cheng - 40,949  
Name of Person Signing

August 1, 2007  
Date

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

3

11/883524  
AP8

11/883524  
AP8 Rec'd PGT/PTO 01 AUG 2007

RECORDATION FORM COVER SHEET (PTO-1595)  
(supplemental sheet)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Toshiyuki MIYAKE (07/23/2007), Satoru KUNO (07/23/2007), and Masayuki HARADA (07/23/2007)

Additional Assignees (2. Continued):

Assignee Name: National University Corporation Nagoya University

Internal Address:

Street Address: 1, Furo-cho, Chikusa-ku

City: Nagoya-shi State: Aichi Country: JAPAN Zip: 464-8601

Assignee Name:

Internal Address:

Street Address:

City: State: Country: Zip:

Assignee Name:

Internal Address:

Street Address:

City: State: Country: Zip:

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers

4A. Continued:

Additional Patent Numbers

4B. Continued:

Additional numbers attached?

☐

Yes

☐

No