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U S DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

11-19-2010

IR SHEET

Y 12/736863

To the Director of the U

103611628

attached documents or the new address(es) below

1. Name of conveying party(ies):

Masaharu Machi (10/26/2010), Hiroshi Suda  
(10/26/2010), and Youhei Ishigami (10/26/2010)

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 Panasonic Electric Works Co., Ltd

Internal Address

Street Address

1048, Oaza-Kadoma, Kadoma-shi  
Osaka, 571-8686, JAPAN

City

State

Country

Zip

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 David J Silvia  
EDWARDS ANGELL PALMER & DODGE  
LLP

Internal Address Atty Dkt 87575(302721)

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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 to deposit account

☐ Enclosed

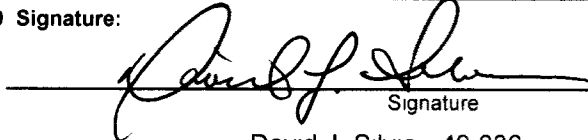
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 04-1105

Authorized User Name David J Silvia

9 Signature:

  
Signature

David J Silvia - 49,036

Name of Person Signing

11/19/2010 AMULLINS 00000004 041105 12736863

61-FC-8021 November 17, 2010  
Date

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

3

12/736863

## ASSIGNMENT BY INVENTOR

**THIS ASSIGNMENT**, made this 26th day of October, 2010, by Masaharu MACHI, Hiroshi SUDA, and Youhei ISHIGAMI (hereinafter referred to as Assignor), citizens of Japan;

**WHEREAS**, Assignor has invented certain new and useful improvements in

## ATOMIZATION APPARATUS

(filed as PCT International Application No. PCT/JP2009/059303)  
set forth in a Patent application for Letters Patent of the United States, filed herewith or if not filed herewith, being earlier filed on \_\_\_\_\_ and having Serial No. \_\_\_\_\_; and

**WHEREAS**, Panasonic Electric Works Co., Ltd., a corporation organized under and pursuant to the laws of Japan having its principal place of business at 1048, Oaza-Kadoma, Kadoma-shi, Osaka, 571-8686, Japan (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all

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papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals 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 and Trademark Office for recordation of this document:

**EDWARDS ANGELL PALMER & DODGE LLP**

All practitioners at Customer Number 21874

**AND** Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

October 26, 2010  
Date

町 昌治  
Name: Masaharu MACHI

October 26, 2010  
Date

須田 洋  
Name: Hiroshi SUDA

October 26, 2010  
Date

石上 尚平  
Name: Youhei ISHIGAMI