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PATENT ONLY

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(Rev. 10/02)  
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102412715

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

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

## 1. Name of conveying party(ies):

Masao NAKANO  
Hiromasa ASHITANI

3/27/03

## 2. Name and address of receiving party(ies):

Name: Matsushita Electric Industrial Co., Ltd.  
Internal Address:

Street Address: 1006, Oaza Kadoma  
Kadoma-shi

City: Osaka-fu

State:

Zip: 571-8501

Country: Japan

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Correction of Assignment Recordation  
(previously recorded at Reel \_\_\_\_\_, Frame \_\_\_\_\_).  
☐ Other

Execution Date: February 10, 2003

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

## 4. Application number(s) or patent number(s):

10400725

If this document is being filed together with a new application, the execution date of the application is: February 10, 2003

A. Patent Application Number(s) \_\_\_\_\_

B. Patent Number(s) \_\_\_\_\_

Additional number(s) attached? ☐ YES ☒ NO

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

Name: Lawrence E. Ashery  
Internal Address: RatnerPrestia

☒ Street Address: Suite 301  
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19482-0980

☐ Street Address: Nemours Building  
1007 Orange Street  
Suite 1100, P.O. Box 1596  
Wilmington State: DE  
19899

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 18-0350  
(Attach duplicate copy of this page if paying by deposit account.)

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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.

Lawrence E. Ashery 34,515

Name of Person Signing

Registration No.

Signature

Date

Total Number of Pages including cover sheet, attachments and documents: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

10/02/2003 FPMR 1595 00000001 10400725

03/27/03

40.00 DE

ASSIGNMENT

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

Inventor(s)

ASSIGNOR(s)/  
INVENTOR(s)

1. Masao NAKANO
2. Hiromasa ASHITANI
3. \_\_\_\_\_
4. \_\_\_\_\_

has made an invention entitled: Semiconductor Cooling Device and  
Method of Controlling Same  
and has executed an application for Letters Patent of the United States  
concurrently herewith;

WHEREAS, the ASSIGNEE

ASSIGNEE  
(Full Name  
and address)

\_\_\_\_\_  
Matsushita Electric Industrial Co., Ltd.

\_\_\_\_\_  
1006, Oaza Kadoma, Kadoma-shi, Osaka-fu, 571-8501 Japan

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

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to  
ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good  
and valuable consideration, the receipt of which is hereby acknowledged,  
ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers  
to ASSIGNEE, its successors and assigns the full and exclusive right, title and  
interest in and to said invention, all applications for Letters Patent for said  
invention, including all divisions and continuations thereof, all rights to claim  
priority based thereon, and all Letters Patent, including reissues, to be obtained  
therefor, including any and all foreign patent rights in this invention  
corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or  
encumbrance has been or will be made or entered into which would conflict  
with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

	(Typed or Printed Name)	(Signature)	(Date)
SIGNATURE	1. Masao NAKANO	<i>Masao Nakano</i>	10/02/2003
	2. Hiromasa ASHITANI	<i>Hiromasa Ashitani</i>	10/02/2003
	3. _____	_____	_____
	4. _____	_____	_____

Application for United States Letters Patent

Serial No. \_\_\_\_\_ Filed \_\_\_\_\_

Attorney Docket No. \_\_\_\_\_