

04-10-2006

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103215351

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)**

- 1) Eunsoo Shim  
2) Sathya Narayanan

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO**3. Nature of Conveyance:**Execution Date(s) 3/31/06

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Correction of Assignment Recordation  
 (previously recorded at Reel \_\_\_\_\_, Frame \_\_\_\_\_).  
☐ Other

**2. Name and address of receiving party(ies):**Name: Matsushita Electric Industrial Co., Ltd.Internal Address: Osaka, JapanStreet Address: 1006 Oaza KadomaKadoma-shiCity: Osaka

State: \_\_\_\_\_

Zip: 571-8501Country: JAPANAdditional name(s) & address(es) attached? ☐ YES ☒ NO**4. Application or patent number(s):** ☒ This document is being filed together with a new application.

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

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

04/05/2005 MWOLDGE1 00000035 11395820

06 FC:8021

(40.00 DP)

Additional number(s) attached? ☐ YES ☒ NO**5. Name and address of party to whom correspondence concerning document should be mailed:**Name: Kenneth N. Nigon  
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**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41):** \$ 40

- ☒ 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 1006  
Expiration Date 03/10b. Deposit Account Number 18-0350Authorized User Name RatnerPrestiaThe Director is authorized to charge additional fees or underpayments or credit overpayments to above deposit account number**9. Signature:**

Signature

Date

Kenneth N. Nigon  
Name of Person Signing31,549  
Registration NumberTotal number of pages including  
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3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450**PATENT**  
**REEL: 017756 FRAME: 0116**

**ASSIGNMENT - Patent Application**Docket Number: **MATI-261US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. <b>Eunsoo Shim</b>	2. <b>Sathya Narayanan</b>
	3.	4.
	5.	6.

made an invention entitled: **A METHOD FOR ON DEMAND DISTRIBUTED HASH TABLE UPDATE**for which an application for Letters Patent of the United States:  
(Select one of the following):

- ☒ is executed concurrently herewith  
☐ was filed in the U.S. Patent and Trademark Office on \_\_\_\_\_,  
as U.S. Patent Application Serial No.: \_\_\_\_\_

ASSIGNEE  
(Full Name and Address)**Matsushita Electric Industrial Co., Ltd.  
1006, Oaza Kadoma, Kadoma-shi  
Osaka 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, continuations, and continuations-in-part 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.


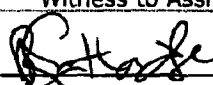
If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

**ASSIGNMENT - Patent Application**Docket Number: **MATI-261US**

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 not identified above.

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
1. <b>Eunsoo Shlm</b>		<u>3/31/06</u>
	* Witness to Assignor #1	
2. <b>Sathya Narayanan</b>		<u>31 March 2006</u>
	* Witness to Assignor #2	
3.		
	* Witness to Assignor #3	
4.		
	* Witness to Assignor #4	
5.		
	* Witness to Assignor #5	
6.		
	* Witness to Assignor #6	

SIGNATURE

Application for United States Letters Patent:

Serial No.: \_\_\_\_\_

Filed: \_\_\_\_\_

Attorney Docket Number: **MATI-261US**Total Number of Assignment Pages **2**

\* Witness signature recommended, mandatory for some countries