

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the Docket Number to be changed to HSJ920070027US1 previously recorded on Reel 019778 Frame 0868. Assignor (s) hereby confirms the Assignment.

**CONVEYING PARTY DATA**

Name	Execution Date
Toshiki Hirano	07/17/2007
Haruhide Takahashi	07/18/2007
Tatsumi Tsuchiya	07/17/2007

**RECEIVING PARTY DATA**

<b>Name:</b>	HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.
<b>Street Address:</b>	Locatellikade 1, Parnassustoren
<b>City:</b>	Amsterdam
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1076 AZ

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11891530

**CORRESPONDENCE DATA**

Fax Number: (831)722-2350  
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 Email: dchavez@wagnerblecher.com  
 Correspondent Name: Wagner Blecher LLP  
 Address Line 1: 123 Westridge Drive  
 Address Line 4: Watsonville, CALIFORNIA 95076

<b>ATTORNEY DOCKET NUMBER:</b>	HSJ920070027US1
<b>NAME OF SUBMITTER:</b>	Desiree Chavez

Total Attachments: 7

**500351773**

**PATENT  
 REEL: 019810 FRAME: 0645**

**CH \$40.00 11891530**

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source=HSJ920070027US1-EPAS#page7.tif

TO:WAGNER BLECHER LLP COMPANY:123 WESTRIDGE DRIVE

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Electronic Version v1.1  
Stylesheet Version v1.1

**09/04/2007  
500347342**

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Toshiki Hirano	07/17/2007
Haruhide Takahashi	07/18/2007
Tatsumi Tsuchiya	07/17/2007

**RECEIVING PARTY DATA**

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<b>City:</b>	Amsterdam
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<b>ATTORNEY DOCKET NUMBER:</b>	HSJ920070029US1 - HSJ920070027US1
<b>NAME OF SUBMITTER:</b>	Desiree Chavez

Total Attachments: 1  
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Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Toshiki Hirano	07/17/2007
Haruhide Takahashi	07/18/2007
Tatsumi Tsuchiya	07/17/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.
<b>Street Address:</b>	Locatellikade 1, Parnassustoren
<b>City:</b>	Amsterdam
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1076 AZ
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11891530
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(831)722-2350

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<b>ATTORNEY DOCKET NUMBER:</b>	HSJ920070029US1
<b>NAME OF SUBMITTER:</b>	Desiree Chavez
<b>Signature:</b>	/Desiree Chavez/
<b>Date:</b>	09/04/2007
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ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY

- (1) Toshiki HIRANO, San Jose, CA
- (2) Haruhide TAKAHASHI, Kanagawa, Japan
- (3) Tatsumi TSUCHIYA, Kanagawa, Japan

have invented certain improvements in

TITLE

A THERMALLY INSULATING BONDING PAD STRUCTURE FOR SOLDER REFLOW CONNECTION

DATES THAT  
INVENTORS  
SIGNED THE

and executed, respectively, a United States patent application therefore on

- (1) / July 17, 2007 /
- (2) / July 18, 2007 /
- (3) / July 17, 2007 /

Whereas, HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V., having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereinafter called HITACHI), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to HITACHI, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HITACHI, its successors and assigns; and we hereby agree that HITACHI may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HITACHI.

Signed

CITY  
DATE

(1) at / San Jose / \_\_\_\_\_ / Toshiki Hirano / \_\_\_\_\_ SIGNATURE  
on / July 17 / \_\_\_\_\_, 2007, Toshiki HIRANO

CITY  
DATE

(2) at / Kanagawa / \_\_\_\_\_ / Haruhide Takahashi / \_\_\_\_\_ SIGNATURE  
on / July 18 / \_\_\_\_\_, 2007, Haruhide TAKAHASHI

CITY  
DATE

(3) at AYASE-SHI \_\_\_\_\_ /TATSUMI TSUCHIYA/ \_\_\_\_\_ SIGNATURE  
on 17 / JUL \_\_\_\_\_, 2007, Tatsumi TSUCHIYA