

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Masanori Aratani</td><td>06/28/2005</td></tr><tr><td>Yasuhiro Iihara</td><td>06/28/2005</td></tr><tr><td>Masaki Kudoh</td><td>06/29/2005</td></tr><tr><td>Junzoh Noda</td><td>06/29/2005</td></tr><tr><td>Masahiro Shimizu</td><td>06/29/2005</td></tr></tbody></table>	Name	Execution Date	Masanori Aratani	06/28/2005	Yasuhiro Iihara	06/28/2005	Masaki Kudoh	06/29/2005	Junzoh Noda	06/29/2005	Masahiro Shimizu	06/29/2005	
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RECEIVING PARTY DATA													
Name:	Hitachi Global Storage Technologies Netherlands B.V.												
Street Address:	Locatellikade 1, Parnassustoren												
City:	1076 AZ Amsterdam												
State/Country:	NETHERLANDS												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11179205</td></tr></tbody></table>	Property Type	Number	Application Number:	11179205									
Property Type	Number												
Application Number:	11179205												
CORRESPONDENCE DATA													
Fax Number:	(415)576-0300												
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Total Attachments: 2 source=16869Q-151600US Assignment#page1.tif source=16869Q-151600US Assignment#page2.tif													

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PATENT  
REEL: 016467 FRAME: 0948

# ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Masanori Aratani of 142-3-407, Sachiga-oka, Asahi-ku, Yokohama-shi, Kanagawa, 241-0822 Japan; Yasuhiro Iihara of 4-9-19, Kugenuma-fujigaya, Fujisawa-shi, Kanagawa, 251-0031 Japan; Masaki Kudoh of 5-28-3, Kanai, Machida-shi, Tokyo, 195-0072 Japan; Junzoh Noda of 4-1-3, Shonandai, Fujisawa-shi, Kanagawa, 252-0804 Japan; and Masahiro Shimizu of 7-16-6, Nishi-tsuruma, Yamato-shi, Kanagawa, 242-0005 Japan, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **SURFACE ANALYSIS TEST WITH MIXED ECC SYMBOL**

Date(s) of execution of Declaration:

Filing Date:

Application No.: ; and

WHEREAS, Hitachi Global Storage Technologies Netherlands B.V. of Locatelliikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 28/06/2005

荒谷 政則  
Masanori Aratani

Dated: 28/06/2005

飯原 康弘  
Yasuhiro Iihara

Dated: 29/06/2005

工藤雅樹  
Masaki Kudoh

Dated: 29/06/2005

野田 順三  
Junzoh Noda

Dated: 29/06/2005

清水雅裕  
Masahiro Shimizu

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