

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Donald Joseph Molaro	05/29/2007
Jorge Campello de Souza	06/04/2007
Damien C.D. Le Moal	06/07/2007
Richard M.H. New	05/29/2007
RECEIVING PARTY DATA	
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State/Country:	NETHERLANDS
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11760748
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ATTORNEY DOCKET NUMBER:	HSJ9-2006-0137-US2
NAME OF SUBMITTER:	Steven J. Cahill
Total Attachments: 2 source=ASSIGNHGST0137#page1.tif source=ASSIGNHGST0137#page2.tif	

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PATENT
REEL: 019404 FRAME: 0865

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Donald Joseph Molaro, of 842 Stendahl Lane, Cupertino, California 95014; Jorge Campello de Souza, of 22437 Walnut Circle N., Cupertino, California 95014; Richard M. H. New, of 6225 Lillian Way, San Jose, California 95120; and Damien C. D. Le Moal, of Hitachi Kamitsuruma Shataku A505, Yutaka-cho 17-12, 228-0805 Sagami-hara-shi, Kanagawa-ken, 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 (hereinafter referred to as "said patent application"):

Title of Invention: Using Idle Mode Prediction to Improve Storage System Performance

Date(s) of execution of Declaration: 05/29/2007, 06/04/2007 & 06/07/2007

Filing Date: 06/09/2007

Application No.: 11/760,748

WHEREAS, **Hitachi Global Storage Technologies Netherlands, B.V.**, Locatellikade 1, 1076 AZ Amsterdam, 1070 AE 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 said invention and said patent application and to all foreign counterpart applications (including patent, utility model and industrial designs); in and to any and all continuation applications, continuation-in-part applications, divisional applications, renewal applications, substitute applications, reissue applications, conversions, reexaminations, and extensions thereof, and all other applications filed on said invention in the United States and all foreign countries; in and to any and all patents, reexamination certificates, reissued patents, and registrations that may be granted on the same in the United States and all countries throughout the world; and to the right to file foreign applications directly in the name of Assignee, and to claim priority from said patent 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 patents and registrations that 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 counterpart applications on said 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 said invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

The Assignors covenant with the Assignee, its successors, and assigns that no assignment, grant, mortgage, license, lien, or other agreement effecting the rights and property herein conveyed has been made to others by the Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

The Assignors hereby authorize and request the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Patents, when granted, to said Assignee as the assignee of the

Assignment

Attorney Docket No.: HSJ9-2006-0137-US2

entire right, title, and interest in and to the same, for the sole use of said Assignee, its successors, and assigns, to the full end of the term for which said Patents may be granted.

Assignors hereby authorize and request The Law Office of Steven J. Cahill, to insert herein above the application number, the dates of execution of declaration, and the filing date of said patent application when known.

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

Dated: /May 29 2007/ _____

/Donald Joseph Molaro/ _____
Donald Joseph Molaro

Dated:/June 4, 2007/ _____

/Jorge Campello/ _____
Jorge Campello de Souza

Dated:/May 29, 2007/ _____

/Richard M. H. New/ _____
Richard M. H. New

Dated:/June 7, 2007/ _____

/Damien C. D. Le Moal/ _____
Damien C. D. Le Moal