

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Martin Hassner		12/17/2008
Kirk Hwang		12/17/2008
RECEIVING PARTY DATA		
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PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12270737	
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ATTORNEY DOCKET NUMBER:	HSJ920050166US2	
NAME OF SUBMITTER:	Steven J. Cahill	
Total Attachments: 2 source=AssignmentHSJ920050166US2#page1.tif source=AssignmentHSJ920050166US2#page2.tif		

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**ASSIGNMENT OF PATENT APPLICATION**

**JOINT**

WHEREAS, **Martin Hassner**, of 1229 Christobal Privada, Mountain View, CA 94040; and **Kirk Hwang**, of 119 Walter Hays Dr., Palo Alto, CA 94303; hereinafter referred to as "Assignors," are the inventors of the improvements (hereinafter referred to as "said improvements") described and set forth in the below-identified application for United States Patent (hereinafter referred to as "said patent application"):

Title of Invention: Decoding Error Correction Codes Using A Modular Single  
Recursion Implementation

Date of execution of Declaration: 08/17/2005

Filing Date: 11/13/2008

Application No. : 12/270,737

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 said improvements and said patent application and in any U.S. Letters Patent and Registrations that 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 improvements 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 improvements 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 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 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.

Assignment

Attorney Docket No.: HSJ920050166US2


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 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.

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

Dated: 12/17/08

  
\_\_\_\_\_  
Martin Hassner

Dated: 12/17/2008

  
\_\_\_\_\_  
Kirk Hwang