

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Howard Barlow</td> <td>12/04/2007</td> </tr> <tr> <td>Daniel Nylander</td> <td>12/04/2007</td> </tr> <tr> <td>Robert Metz</td> <td>12/05/2007</td> </tr> </tbody> </table>		Name	Execution Date	Howard Barlow	12/04/2007	Daniel Nylander	12/04/2007	Robert Metz	12/05/2007
Name	Execution Date								
Howard Barlow	12/04/2007								
Daniel Nylander	12/04/2007								
Robert Metz	12/05/2007								
RECEIVING PARTY DATA									
Name:	Seagate Technology LLC								
Street Address:	920 Disc Drive								
City:	Scotts Valley								
State/Country:	CALIFORNIA								
Postal Code:	95066								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11951824</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11951824				
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Application Number:	11951824								
CORRESPONDENCE DATA									
Fax Number:	(720)377-0779								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	720-377-0770								
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Correspondent Name:	Hensley Kim & Holzer, LLC								
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ATTORNEY DOCKET NUMBER:	STL13447/390-028-USP								
NAME OF SUBMITTER:	Richard J. Holzer, Jr.								

Total Attachments: 3
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REEL: 020361 FRAME: 0717

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ASSIGNMENT

Seagate Docket No. :STL13447/390-028-USP

WHEREAS, I/we Howard Barlow of 3109 Elevado Court, Loveland, Colorado 80538, Daniel Nylander of 3525 Foxtail Place, Longmont, Colorado 80503, and Robert Metz of 4626 Hyland Place Westminster, Colorado 80031 are the inventor(s) of an invention entitled High Speed Serial Trace Protocol for Device Debuq that is the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____ and/or executed on even date herewith: and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____; and/or executed on even date herewith:

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

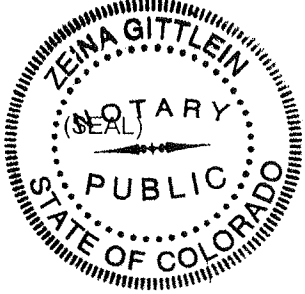
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I/we transfer to Assignee, its successors and assigns, my/our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

Howard Barlow
Howard Barlow (Inventor)

Subscribed and sworn to before me at Longmont, Colorado, a Notary Public, this 4th day of December, 2007.

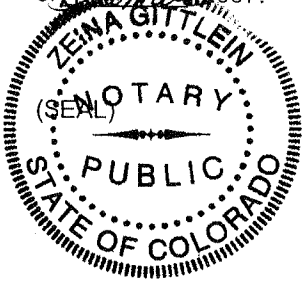


Zeina Gittlein
Notary Public

Zeina Gittlein, Notary Public
State of Colorado
My Commission Expires 12/2/2009

Daniel Nylander
Daniel Nylander (Inventor)

Subscribed and sworn to before me at Longmont, Colorado, a Notary Public, this 4th day of December, 2007.



Zeina Gittlein
Notary Public

Zeina Gittlein, Notary Public
State of Colorado
My Commission Expires 12/2/2009

Robert Metz (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day of _____, 2007.

(SEAL)

Notary Public _____

Howard Barlow (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

Daniel Nylander (Inventor)

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, 2007.

(SEAL)

Notary Public

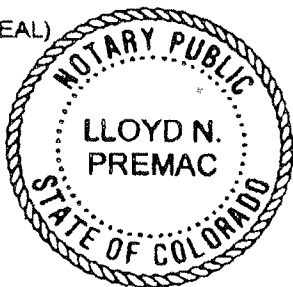
Robert Metz
Robert Metz (Inventor)

Subscribed and sworn to before me at WESTMINSTER, COLORADO, a Notary Public, this 5th day
of DECEMBER, 2007.

(SEAL)

Notary Public

[Signature]



My Comm. Expires Mar. 28, 2008