

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>Haesung Kwon</td> <td>01/04/2013</td> </tr> <tr> <td>Frank Widjaja Yu</td> <td>01/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Haesung Kwon	01/04/2013	Frank Widjaja Yu	01/04/2013				
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Haesung Kwon	01/04/2013										
Frank Widjaja Yu	01/04/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Dell Products L.P.</td> </tr> <tr> <td>Street Address:</td> <td>One Dell Way</td> </tr> <tr> <td>City:</td> <td>Round Rock</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>78682</td> </tr> </table>		Name:	Dell Products L.P.	Street Address:	One Dell Way	City:	Round Rock	State/Country:	TEXAS	Postal Code:	78682
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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>13736547</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13736547						
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CORRESPONDENCE DATA											
Fax Number:	5123228383										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	713.229.1234										
Email:	tracy.perez@bakerbotts.com										
Correspondent Name:	Baker Botts L.L.P.										
Address Line 1:	910 Louisiana Street, One Shell Plaza										
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ATTORNEY DOCKET NUMBER:	016295.4592										
NAME OF SUBMITTER:	Tracy E. Perez										
Total Attachments: 3 source=4592Assignment#page1.tif source=4592Assignment#page2.tif source=4592Assignment#page3.tif											

CH \$40.00 13736547

ASSIGNMENT

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WHEREAS, I/We of residence as listed, have invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made; and

WHEREAS, Dell Products L.P. (hereinafter referred to as "Assignee"), a Texas limited partnership, with an address of One Dell Way, Round Rock, Texas 78682, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all provisionals, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I/We authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I/We also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I/We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I/We will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I/We will testify in any legal proceedings, sign all lawful papers, execute all provisionals, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

ATTORNEY DOCKET
016295.4592

PATENT APPLICATION

ASSIGNMENT

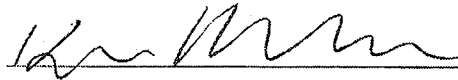
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This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:

METHOD AND SYSTEM FOR HARD DISK
DRIVE THROUGHPUT OPTIMIZATION USING
POSITION ERROR SIGNALING

Signature of Inventor:



Inventor's Name:

Haesung Kwon

Date:

1/4/2013

Residence (City, County, State):

Austin, Travis County, Texas

ATTORNEY DOCKET
016295.4592

PATENT APPLICATION

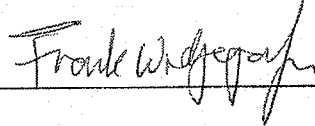
ASSIGNMENT

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Title of Invention:

METHOD AND SYSTEM FOR HARD DISK
DRIVE THROUGHPUT OPTIMIZATION USING
POSITION ERROR SIGNALING

Signature of Inventor:



Inventor's Name:

Frank Widjaja Yu

Date:

1/4/2013

Residence (City, County, State):

Austin, Travis County, Texas

AUS01:647686.1