

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
David Timothy Zimmerman	12/01/2008
RECEIVING PARTY DATA	
Name:	Lenovo (Singapore) Pte. Ltd.
Street Address:	151 Lorong Chuan
City:	Singapore
State/Country:	SINGAPORE
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12243781
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PATENT  
REEL: 021931 FRAME: 0663

## A S S I G N M E N T

Whereas, I/ we,

(1) **David Timothy Zimmerman**  
County of: Wake

City of: Raleigh  
State of: NC

have invented certain improvements in

**Cache Mapping for Solid State Drives**

and executed a United States patent application therefor on the following date(s):

(1) 12-01-2008  
(Date)

Whereas, **Lenovo (Singapore) Pte. Ltd.**, a corporation of Singapore, having a place of business at 151 Lorong Chuan, #02-01 New Tech Park, Singapore 556741, (hereinafter called **Lenovo**), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby acknowledge my/our prior existing obligation and hereby sell, assign, and transfer to Lenovo, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to Lenovo, its successors and assigns; and I/we hereby agree that Lenovo may apply for foreign Letters Patent on the invention and I/we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Lenovo.

Signed and sealed:

	<u>CITY/STATE</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>Morrisville, NC</u>	<u>12-01-2008</u>	<u>David Timothy Zimmerman</u> David Timothy Zimmerman