

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Philip Lee Childs</td> <td>11/20/2012</td> </tr> <tr> <td>Michael Terrell Vanover</td> <td>11/21/2012</td> </tr> <tr> <td>Hui Wang</td> <td>11/27/2012</td> </tr> <tr> <td>Shaowei Chen</td> <td>11/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Philip Lee Childs	11/20/2012	Michael Terrell Vanover	11/21/2012	Hui Wang	11/27/2012	Shaowei Chen	11/27/2012		
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<table border="1"> <tr> <td>Name:</td> <td>Lenovo (Singapore) Pte. Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>151, Lorong Chuan</td> </tr> <tr> <td>Internal Address:</td> <td>#02-01, New Tech Park</td> </tr> <tr> <td>City:</td> <td>Singapore</td> </tr> <tr> <td>State/Country:</td> <td>SINGAPORE</td> </tr> <tr> <td>Postal Code:</td> <td>556741</td> </tr> </table>		Name:	Lenovo (Singapore) Pte. Ltd.	Street Address:	151, Lorong Chuan	Internal Address:	#02-01, New Tech Park	City:	Singapore	State/Country:	SINGAPORE	Postal Code:	556741
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: 4127419292 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 4127418400 Email: kdurkin@ferencelaw.com Correspondent Name: Ference & Associates LLC Address Line 1: 409 Broad Street Address Line 4: Pittsburgh, PENNSYLVANIA 15143													
ATTORNEY DOCKET NUMBER:	710.205												
NAME OF SUBMITTER:	Stanley D. Ference III												
This document serves as an Oath/Declaration (37 CFR 1.63).													

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Total Attachments: 6

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PATENT

REEL: 029450 FRAME: 0716

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN
APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **TRANSFER TO TARGET DISAMBIGUATION**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

☐ United States application or PCT international application number _____
filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the Lenovo Docket Number provided above in the header of this document;

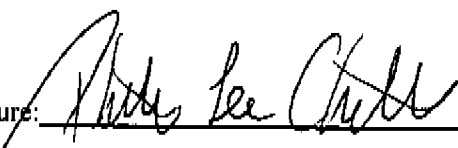
Whereas, Lenovo (Singapore) Pte. Ltd., a corporation of Singapore, having a place of business at 151, Lorong Chuan, #02-01, New Tech Park, Singapore 556741 (herein referred to as "Lenovo"), desires to acquire, and each undersigned inventor desires to grant to Lenovo, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to Lenovo (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to Lenovo, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Lenovo, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Lenovo, its successors, legal representatives, and assigns, whenever requested by Lenovo, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to Lenovo and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants Lenovo, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: **Philip Lee Childs**

Signature: 

Date: 11/20/2012

~~4901 Heatherfield Way, Raleigh, NC 27604~~

Inventor Residence Mailing Address

1530 Euclid Rd., Durham, NC 27713

(2) Legal Name of Inventor: **Michael Terrell Vanover**

Signature: 

Date: 11/21/2012

316 Seasons Drive, Raleigh, NC 27614

Inventor Residence Mailing Address

(3) Legal Name of Inventor: **Hui Wang**

Signature: _____

Date: _____

Room 3-603, Building 11, #1 of Long Bo Yuan, Changping District, Beijing

Inventor Residence Mailing Address

(4) Legal Name of Inventor: **Shaowei Chen**

Signature: _____ Date: _____

402, Building 9, Area 5, Shangdi Dongli, Haidian District, Beijing
Inventor Residence Mailing Address

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(1) Legal Name of Inventor: **Philip Lee Childs**

Signature: _____ Date: _____

4001 Heatherfield Way, Raleigh, NC 27604
Inventor Residence Mailing Address

(2) Legal Name of Inventor: **Michael Terrell Vanover**

Signature: _____ Date: _____

216 Seasons Drive, Raleigh, NC 27614
Inventor Residence Mailing Address

(3) Legal Name of Inventor: **Hui Wang**

Signature: Hui Wang Date: Nov 27, 2012

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LENOVO DOCKET NUMBER: RPS920128029-US-NP
(710,205)

(4) Legal Name of Inventor: Shaowei Chen

Signature: Shaowei Chen Date: Nov 27, 2012

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