

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3167598

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GUANG YANG	09/17/2014
JIAN YAO	09/17/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BEIJING LENOVO SOFTWARE LTD.
<b>Street Address:</b>	4TH FLOOR, #6 CHUANGYE ROAD
<b>Internal Address:</b>	SHANGDI INFORMATION INDUSTRY BASE, HAIDIAN DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100085
<b>Name:</b>	LENOVO (BEIJING) CO., LTD.
<b>Street Address:</b>	NO.6 SHANG DI WEST ROAD
<b>Internal Address:</b>	HAIDIAN DISTRICT
<b>City:</b>	BEIJING
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	100085
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14387813
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	maria.cuevas-banda@dentons.com
<b>Correspondent Name:</b>	DENTONS US LLP - PETER SU
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<b>ATTORNEY DOCKET NUMBER:</b>	10020748-0057-002
<b>NAME OF SUBMITTER:</b>	PETER SU

<b>SIGNATURE:</b>	/Peter Su/
<b>DATE SIGNED:</b>	12/31/2014
<b>Total Attachments: 2</b> source=1_Liu_Shen-0057-002_Assignment_31-Dec-2014#page1.tif source=1_Liu_Shen-0057-002_Assignment_31-Dec-2014#page2.tif	

**ASSIGNMENT**

**WHEREAS:** *Guang YANG*, a citizen of China, residing at No.6 Shang Di West Road, Haidian District, Beijing 100085, China and *Jian YAO*, a citizen of China, residing at No.6 Shang Di West Road, Haidian District, Beijing 100085, China (hereinafter collectively referred to as ASSIGNOR) have jointly made a certain new and useful invention (hereinafter referred to as INVENTION) as set forth in an application for United States Letters Patent entitled **"TARGET OBJECT INFORMATION ACQUISITION METHOD AND ELECTRONIC DEVICE"** (hereinafter referred to as APPLICATION);

**WHEREAS,** *Beijing Lenovo Software Ltd.*, organized and existing under the laws of China, having a place of business at *4<sup>th</sup> Floor, #6 Chuangye Road, Shangdi Information Industry Base, Haidian District, Beijing 100085, China* and *Lenovo (Beijing) Co., Ltd.*, organized and existing under the laws of China, having a place of business at *No.6 Shang Di West Road, Haidian District, Beijing 100085, China* (hereinafter referred to as ASSIGNEE) is desirous of acquiring the full and exclusive right, title, and interest in, to, and under the INVENTION and the APPLICATION;

**WHEREAS,** the Patent Cooperation Treaty Patent No. PCT/CN2014/071895 was received by the State Intellectual Property Office on February 8, 2014, which claims priority of the Chinese Patent Application No. 201310067442.3, received by the State Intellectual Property Office on March 4, 2013, which a corresponding U.S. National Stage Patent Application No. 14/387,813 was received by the United States Patent and Trademark Office on September 24, 2014;

**NOW THEREFORE,** for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, each ASSIGNOR hereby sells, assigns, and transfers to ASSIGNEE his full and exclusive right, title, and interest in the United States (including its territories and dependencies) and all countries foreign thereto in, to, and under the INVENTION, the APPLICATION, and any other United States applications (including provisional, non-provisional, utility, divisional, continuing, and reissue applications, and any applications claiming priority from the APPLICATION) based in whole or in part on the APPLICATION or in whole or in part on the INVENTION, and any patents (including extensions thereof) of any country that have been or may be granted on any of the aforesaid applications or on the INVENTION or any part thereof, and any right to priority to the APPLICATION;

Each ASSIGNOR hereby authorizes and requests the Commissioner for Patents of the United States of America to issue any and all United States Patents that may be granted on the aforesaid applications or on the INVENTION or any part thereof, in the name of ASSIGNEE;

Each ASSIGNOR hereby grants the attorney of record the power to insert on this agreement any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In the event that ASSIGNEE is unable, after reasonable effort, to secure any ASSIGNOR's signature on any APPLICATION, paper, or other instrument relating to any patent, patent APPLICATION, letters patent, copyright, or other analogous protection relating to the INVENTION in any country, whether because of the ASSIGNOR's mental incapacity, death, or for any other reason whatsoever, said ASSIGNOR hereby irrevocably designates and appoints ASSIGNEE and its duly authorized officers and agents as said ASSIGNOR's agent and attorney in fact to act for and to execute and file any such APPLICATION, paper, or other instrument on said ASSIGNOR's behalf, and to do all other lawfully permitted acts to further the prosecution

and issuance of any patent, patent APPLICATION, letters patent, copyright, or any other analogous protection related to the INVENTION, with the same legal force and effect as if executed by said ASSIGNOR.

Each ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this sale, assignment, and transfer, and that said ASSIGNOR has the rights, titles, and interests to convey as set forth herein; AND

Each ASSIGNOR further covenants that upon ASSIGNEE's request, he will provide promptly to ASSIGNEE all pertinent facts and documents relating to the aforesaid applications and the INVENTION as may be known and accessible to said ASSIGNOR, and said ASSIGNOR will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to ASSIGNEE, or its legal representatives, or its successor, without further consideration, any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce the aforesaid APPLICATIONS, as may be deemed necessary or desirable by ASSIGNEE to carry out the purposes hereof.

Guang Yang  
Guang YANG

2014. 9. 17th  
Date

Jian Yao  
Jian YAO

2014. 9. 17th  
Date