

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT  |               |                |                     |            |             |            |         |            |            |            |             |            |
|--|---|---------------|----------------|---------------------|------------|-------------|------------|---------|------------|------------|------------|-------------|------------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT  |               |                |                     |            |             |            |         |            |            |            |             |            |
| <b>CONVEYING PARTY DATA</b>  |   |               |                |                     |            |             |            |         |            |            |            |             |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhe Yang</td> <td>04/23/2013</td> </tr> <tr> <td>Changyu Sun</td> <td>04/23/2013</td> </tr> <tr> <td>Ning Le</td> <td>04/23/2013</td> </tr> <tr> <td>Liyuan Gan</td> <td>04/23/2013</td> </tr> <tr> <td>Fenglang Li</td> <td>04/23/2013</td> </tr> </tbody> </table> |   | Name          | Execution Date | Zhe Yang            | 04/23/2013 | Changyu Sun | 04/23/2013 | Ning Le | 04/23/2013 | Liyuan Gan | 04/23/2013 | Fenglang Li | 04/23/2013 |
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| Zhe Yang   | 04/23/2013  |               |                |                     |            |             |            |         |            |            |            |             |            |
| Changyu Sun  | 04/23/2013  |               |                |                     |            |             |            |         |            |            |            |             |            |
| Ning Le  | 04/23/2013  |               |                |                     |            |             |            |         |            |            |            |             |            |
| Liyuan Gan   | 04/23/2013  |               |                |                     |            |             |            |         |            |            |            |             |            |
| Fenglang Li  | 04/23/2013  |               |                |                     |            |             |            |         |            |            |            |             |            |
| <b>RECEIVING PARTY DATA</b>  |   |               |                |                     |            |             |            |         |            |            |            |             |            |
| Name:  | Beijing Lenovo Software Ltd                                     |               |                |                     |            |             |            |         |            |            |            |             |            |
| Street Address:  | 4th Floor, #6 Chuangye Road, Shangdi Information Industry Base, |               |                |                     |            |             |            |         |            |            |            |             |            |
| Internal Address:  | Haidian District  |               |                |                     |            |             |            |         |            |            |            |             |            |
| City:  | Beijing   |               |                |                     |            |             |            |         |            |            |            |             |            |
| State/Country:   | CHINA   |               |                |                     |            |             |            |         |            |            |            |             |            |
| Postal Code:   | 100085  |               |                |                     |            |             |            |         |            |            |            |             |            |
| Name:  | Lenovo (Beijing) Co., Ltd.                                      |               |                |                     |            |             |            |         |            |            |            |             |            |
| Street Address:  | No. 6, Shang Di West Road                                       |               |                |                     |            |             |            |         |            |            |            |             |            |
| Internal Address:  | Haidian District  |               |                |                     |            |             |            |         |            |            |            |             |            |
| City:  | Beijing   |               |                |                     |            |             |            |         |            |            |            |             |            |
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| Postal Code:   | 100085  |               |                |                     |            |             |            |         |            |            |            |             |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |   |               |                |                     |            |             |            |         |            |            |            |             |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13874665</td> </tr> </tbody> </table>  |   | Property Type | Number         | Application Number: | 13874665   |             |            |         |            |            |            |             |            |
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| Application Number:  | 13874665  |               |                |                     |            |             |            |         |            |            |            |             |            |
| <b>CORRESPONDENCE DATA</b>   |   |               |                |                     |            |             |            |         |            |            |            |             |            |
| Fax Number:  | 2486410270  |               |                |                     |            |             |            |         |            |            |            |             |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |   |               |                |                     |            |             |            |         |            |            |            |             |            |
| Phone:   | 248-641-1600  |               |                |                     |            |             |            |         |            |            |            |             |            |

CH \$40.00 13874665

Email: mcparrish@hdp.com  
Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.  
Address Line 1: P.O. BOX 828  
Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

|                         |                    |
|-------------------------|--------------------|
| ATTORNEY DOCKET NUMBER: | 15157-000197/US/NP |
| NAME OF SUBMITTER:      | Michael Malinzak   |
| Signature:              | /MichaelMalinzak/  |
| Date:                   | 05/01/2013         |

Total Attachments: 2  
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ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

ELECTRONIC DEVICE

for which Assignor is about to make or has made United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration);
- (b)  executed on \_\_\_\_\_ or \_\_\_\_\_ of \_\_\_\_\_
- (c)  filed on May 1, 2013 and assigned Serial No. 13/874,665 or PCT International Application No. \_\_\_\_\_ and \_\_\_\_\_

WHEREAS, **Beijing Lenovo Software Ltd** of 4th Floor, #6 Chuangye Road, Shangdi Information Industry Base, Haidian District, Beijing 100085, P.R. China; and **Lenovo (Beijing) Co., Ltd.** of No.8, Shang Di West Road, Haidian District, Beijing 100085, P.R. China, hereinafter referred to as Assignees, are desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignees, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignees and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignees to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignees without further or other compensation than that above set forth.

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignees, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignees.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Zhe Yang  
Zhe Yang

2013. 4. 23.  
Dated

Bi Song  
Witness

Sun Jian  
Witness

Changyu Sun  
Changyu Sun

2013. 4. 23  
Dated

Bi Song  
Witness

Sun Jian  
Witness

Ning Le  
Ning Le

2013. 4. 23.  
Dated

Bi Song  
Witness

Sun Jian  
Witness

Liyuan Gan  
Liyuan Gan

2013. 4. 23  
Dated

Bi Song  
Witness

Sun Jian  
Witness

Fenglang Li  
Fenglang Li

2013. 4. 23.  
Dated

Bi Song  
Witness

Sun Jian  
Witness

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