## 502566013 11/12/2013

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2611807

| SUBMISSION TYPE:      | NEW ASSIGNMENT |  |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |  |

### **CONVEYING PARTY DATA**

| Name       | Execution Date |
|------------|----------------|
| MINGXU MAO | 10/21/2013     |

### **RECEIVING PARTY DATA**

| Name:             | BEIJING LENOVO SOFTWARE LTD.      |
|-------------------|-----------------------------------|
| Street Address:   | 4TH FLOOR, #6 CHUANGYE ROAD       |
| Internal Address: | SHANGDI INFORMATION INDUSTRY BASE |
| City:             | HAIDIAN DISTRICT, BEIJING         |
| State/Country:    | CHINA                             |
| Postal Code:      | 100085                            |

| Name:           | LENOVO (BEIJING) CO., LTD. |  |
|-----------------|----------------------------|--|
| Street Address: | NO.6 SHANG DI WEST ROAD    |  |
| City:           | HAIDIAN DISTRICT, BEIJING  |  |
| State/Country:  | CHINA                      |  |
| Postal Code:    | 100085                     |  |

### PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14077719 |

### **CORRESPONDENCE DATA**

Fax Number: (312)321-4299 Phone: 3123214200

Email: officeactions@brinksgilson.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: BRINKS HOFER GILSON & LIONE

Address Line 1: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60611

**PATENT** 

REEL: 031585 FRAME: 0053

.H \$40.00 1407

| ATTORNEY DOCKET NUMBER: | 14539/95 (C13P5206-01US) |  |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER:      | G. PETER NICHOLS         |  |
| Signature:              | /G. Peter Nichols/       |  |
| Date:                   | 11/12/2013               |  |

# Total Attachments: 3

source=131112 Assignment Recordation Cover Page 14539-95#page1.tif

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PATENT REEL: 031585 FRAME: 0054

Client/Matter No: 14539/95 (C13P5206-01US)

| RECORDATION FORM COVER SHEET - PATENTS ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--|--|
| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                             |  |  |
| I. Name of conveying Party(ies):  Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2. Name and Address of receiving Party(ies):                                                                                |  |  |
| Missess Man                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Name: <b>BEIJING LENOVO SOFTWARE LTD.</b>                                                                                   |  |  |
| Mingxu Mao                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Street Address: 4 <sup>th</sup> Floor, #6 Chuangye Road,<br>Shangdi Information Industry Base,<br>Haidian District          |  |  |
| 3. Nature of Conveyance/Execution Date(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | City: Beijing 100085                                                                                                        |  |  |
| Execution Date(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Country: China                                                                                                              |  |  |
| Mingxu Mao: October 21, 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Name: LENOVO (BEIJING) CO.,<br>LTD.                                                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Street Address: No.6 Shang Di West Road<br>Haidian District                                                                 |  |  |
| Joint Research Agreement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | City: Beijing 100085                                                                                                        |  |  |
| Government Interest Assignment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Country: China                                                                                                              |  |  |
| Executive Order 9424, Confirmatory License                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ·                                                                                                                           |  |  |
| Other: Additional name(s) and addresses attached?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                             |  |  |
| 4. Application or Patent Number(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | nent is being filed together with a new application.                                                                        |  |  |
| A. Patent Application No.(s):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3. Patent No.(s):                                                                                                           |  |  |
| 14/077,719 filed November 12, 2013 Additional numbers atta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ached? ☐ Yes ☒ No                                                                                                           |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Total no. of applications & patents involved: 1                                                                          |  |  |
| BRINKS GILSON & LIONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00                                                                               |  |  |
| PO BOX 10395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Authorize charge by credit card                                                                                             |  |  |
| CHICAGO, IL 60610                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Authorize charge to Deposit Account No. 23-1925                                                                             |  |  |
| Phone: (312) 321-4200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul><li>Enclosed</li><li>None required (government interest not affecting title)</li></ul>                                  |  |  |
| Fax: (312) 321-4299                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8. Payment Information:                                                                                                     |  |  |
| (* -=, * -= * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * * - * - * * - * * - * * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - * - |                                                                                                                             |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | a. Credit Card: Last 4 Numbers Expiration Date                                                                              |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | b. 🔀 Charge fee and/or any Deficiencies to Deposit<br>Account Number 23-1925<br>Authorized User Name: Brinks Gilson & Lione |  |  |
| 9. Signature: /G. Peter Nichols/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | November 12, 2013                                                                                                           |  |  |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Date                                                                                                                        |  |  |
| G. Peter Nichols                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Total no. of pages including coversheet,                                                                                    |  |  |
| Name of Person Signing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | attachments and documents: 3                                                                                                |  |  |

PATENT REEL: 031585 FRAME: 0055 Case No.: 14539/95 (C13P5206-01US)

### **ASSIGNMENT**

WHEREAS, Mingxu MAO, hereinafter called the "Assignor", has made the invention entitled INFORMATION PROCESSING METHOD AND ELECTRONIC DEVICE, for a full description of which reference is here made to China (insert priority country) Application Number 201210453548.2 filed on November 13, 2012 and to the United States patent application executed by the Assignor on the same date as, or on a date prior to, this Assignment;

WHEREAS, <u>Beijing Lenovo Software Ltd.</u>, a corporation organized and existing under the laws of <u>China</u>, having a place of business at <u>4<sup>th</sup> Floor</u>, <u>#6 Chuangye Road</u>, <u>Shangdi Information Industry Base</u>, <u>Haidian District</u>, <u>Beijing 100085</u>, <u>China</u>, and <u>Lenovo (Beijing) Co., Ltd.</u>, a corporation organized and existing under the laws of <u>China</u>, having a place of business at <u>No. 6</u>, <u>Shang Di West Road</u>, <u>Haidian District</u>, <u>Beijing 100085</u>, <u>China</u>, hereinafter called the "Assignees", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its

PATENT REEL: 031585 FRAME: 0056 successors and assigns, to the full end of the term or terms for all such patents. The Assignor hereby sells, assigns, and transfers the entire right, title and interest to the Assignee as of the day of filing the application identified above.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assigner will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

| DATED:     | <u> Anim</u> | 2013.10.21 | Mingru Mao   |                                         |
|------------|--------------|------------|--------------|-----------------------------------------|
|            |              |            | Mingxu MAO   | *************************************** |
| WITNESSED: |              |            |              |                                         |
| DATE:      |              | 2019.10.2  | Dove jun Gno | 4                                       |
| DATE:      | 701          | 3,10,21    | Jiantei Was  | ΛŶ.                                     |

**RECORDED: 11/12/2013**