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Docket No.: PA070011

U.S. DEPARTMENT OF COMMERCE  
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ER SHEET

103591842

To the Honorable Director of the United State

1. Name of conveying party(ies):

ZHI GANG ZHANG

KUI GAO

JIAN SONG LI

Additional name(s) of  
conveying party(ies)  
attached:

X No

3. Nature of convenience:

X Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: **October 27, 2009; November 16, 2009; October 30, 2009;**  
**respectively**

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): US 12/450,684

2. Name and address of receiving party(ies):

Name: **THOMSON Licensing**

Internal Address:

Street: **46 Quai A. Le Gallo****F-92100 Boulogne-Billancourt, France**

Additional name(s) &amp; address(es) attached?

X No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): US 12/450,684

B. Patent No.(s)

Additional numbers attached?

Yes

No

X

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **ROBERT D. SHEDD**Internal Address: **PATENT OPERATIONS****THOMSON LICENSING LLC**Street Address: **P. O. Box 5312**City: **PRINCETON** State: **NEW JERSEY** Zip: **08543-5312**6. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41): **\$40.00**

Enclosed

X Authorized to be charged to deposit account

8. Deposit account number:

**07-0832**

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**JEFFREY M. NAVON**

Name of Person Signing

Signature Reg. No. **32,711**

Date

Total number of pages including cover sheet, attachments, and document

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03/15/2010 MJAMA1 00000047 070832 12450684  
01 FC:0021 40.00 DA

# ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Zhi Gang ZHANG, 8<sup>th</sup> Floor, Building A, Technology Fortune Center, 8 Xue Qing Road, Hai Dian District, 100085 BEIJING, CHINA; Kui GAO, No. 6, Kexueyuan Nanlu, Zhongguancun, 100080 BEIJING, CHINA; Jian Song LI, 6<sup>th</sup> Floor, Tower A, Galaxy Building, No. 10, Jiuxiangiao Zhonglu, Chaoyang District, 100016 BEIJING, CHINA, hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

## ENHANCED METHOD AND APPARATUS FOR REDUCING CONGESTION IN DHCP NETWORK SYSTEM

for which said assignor has caused an application for United States Letters Patent to be prepared,

- ( ) the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
- (X) said application having been filed in the United States Patent and Trademark Office on **April 6, 2007** Serial Number **PCT/CN2007/001113**;

## AND WHEREAS

THOMSON LICENSING  
46 quai Alphonse Le Gallo  
F-92100 Boulogne Billancourt  
FRANCE

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 27<sup>th</sup> day of Oct, 2009

WITNESSES:

ASSIGNOR:

Signature: Shi Yun Tao

Signature: Zhang Zhigang

Name: Shi Yun Tao

Name: Zhi Gang ZHANG

Address: 81F. Tower A. Technology Fortune Center. No.8. Xueqing Rt.  
Haidian Dist. Beijing. China

Signature: CHEN JIANFENG

Name: CHEN JIANFENG

Address: 81F. Tower A. Technology Fortune Center. No.8. Xueqing Rt.  
Haidian Dist. Beijing. China

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name:

Name: Kui GAO

Address:

Signature: \_\_\_\_\_

Name:

Address:

EXECUTED, this 30 day of Oct, 2009

WITNESSES:

ASSIGNOR:

Signature: chen qi

Signature: Li Jiansong

Name: chen qi

Name: Jian Song LI

Address: 6th floor, Tower A, Galaxy Building, No.10, Jiuxiangqiao Zhonglu,  
Chaoyang District, 100016 Beijing, China

Signature: Hao zhaojun

Name: Hao zhaojun

Address: 6th floor, Tower A, Galaxy Building, No.10, Jiuxiangqiao Zhonglu,  
Chaoyang District, 100016 Beijing, China

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→ *704 Laramie Ave, Wilmette, IL 60091, USA (KG, 11/11/2009)*  
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EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_.

Signature: \_\_\_\_\_.

Name:

Name: Zhi Gang ZHANG

Address:

Signature: \_\_\_\_\_.

Name:

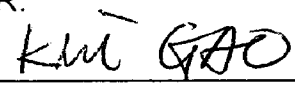
Address:

EXECUTED, this 16th day of November, 2009

WITNESSES:

ASSIGNOR:


Signature:  \_\_\_\_\_.

Signature:  \_\_\_\_\_.

Name: Gang Li

Name: Kui GAO

Address: Tech. Institute, Room L460  
Northwestern University  
2145 Sheridan Road  
Evanston, IL 60208  
USA

Signature:  \_\_\_\_\_.

Name: Kunpeng Zhang

Address: Tech. Institute, Room L460  
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2145 Sheridan Road  
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USA

EXECUTED, this \_\_\_\_\_ day of \_\_\_\_\_, 2009

WITNESSES:

ASSIGNOR:

Signature: \_\_\_\_\_.

Signature: \_\_\_\_\_.

Name:

Name: Jian Song LI

Address:

Signature: \_\_\_\_\_.

Name:

Address:

PATENT

RECORDED: 03/11/2010

REEL: 024082 FRAME: 0264