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103595924

Docket No.: PA080086

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): <b>Ning LIAO</b> <b>Jian Feng CHEN</b> <b>Xiao Jun MA</b>		2. Name and address of receiving party(ies): Name: <b>THOMSON LICENSING</b>	
Additional name(s) of conveying party(ies) attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Street Address: <b>1-5 rue Jeanne d'Arc</b> <b>F-92130 ISSY LES MOULINEAUX, FRANCE</b>	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Date: <b>December 21; December 21 and December 21, 2009 respectively</b>			
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): <b>12/655,374</b>		B. Patent No.(s)	
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <b>ROBERT D. SHEDD</b> Internal Address: <b>PATENT OPERATIONS</b> <b>THOMSON LICENSING LLC</b> <b>SUITE 200</b> Street or PO Address: <b>P. O. Box 5312</b> City: <b>PRINCETON</b> State: <b>NEW JERSEY</b> Zip: <b>08543-5312</b>		6. Total number of applications and patents involved: <u>1</u>	
		7. Total Fee (37 CFR 3.41): <b>\$40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number: <b>07-0832</b>	

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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

32,711

Reg. No. Here

Date

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04/28/2010 NJAMA1 00000002 070832 12655374

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PATENT  
REEL: 024307 FRAME: 0503

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT**

WHEREAS Ning LIAO, 8F, Building A, Technology Fortune Center, 8 Xue Qing Road, Han Dian District, Beijing, 100085, CHINA; Jian Feng CHEN, Room 2-501, Zhichunli, Han Dian District, Beijing, 100080, CHINA; Xiao Jun MA, 8F, Building A, Technology Fortune Center, 8 Xue Qing Road, Han Dian District, Beijing, 100085, CHINA, hereinafter referred (collectively) to as the assignor, have invented a certain improvement relating to

**A METHOD FOR SCHEDULING WAKE/SLEEP CYCLES BY A CENTRAL DEVICE IN A WIRELESS NETWORK**

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

- (X) 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;
- () said application having been filed in the United States Patent and Trademark Office on Serial Number;

**AND WHEREAS**

THOMSON LICENSING  
1-5 rue Jeanne d'Arc  
F-92130 ISSY LES MOULINEAUX  
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 21 day of Dec, 2009.

WITNESSES:

Signature: Shi Yuntao

Name: Shi Yuntao

Address: F8 Bld. A. Technology Fortune Center

No. 8. Xueqing Rd. Haidian Dist. Beijing China

Signature: Zhang Zhigang

Name: Zhang Zhigang

Address: F8 Bld. A. Technology Fortune Center

No. 8. Xueqing Rd. Haidian District. Beijing China.

ASSIGNOR:

Signature: Ning Liao

Name: Ning LIAO

EXECUTED, this 21 day of Dec, 2009.

WITNESSES:

Signature: Shangquan Shan

Name: Shangquan Shan

Address: F8 Bld. A Technology Fortune Center

No. 8 Xueqing Rd Haidian Dist Beijing China

Signature: Wang Xian lei

Name: Wang Xian lei

Address: F8 Bld. A Technology Fortune Center

No. 8 Xueqing Rd. Haidian District. Beijing. China.

ASSIGNOR:

Signature: Jian Feng CHEN

Name: Jian Feng CHEN

EXECUTED, this 21 day of Dec, 2009.

WITNESSES:

Signature: Teng Jun

Name: Teng Jun

Address: F8, Bld. A, Technology Fortune Center

No. 8, Xueqing Rd., Haidian Dist. Beijing, China

Signature: XIA Zhijin

Name: XIA Zhijin

Address: F8. Bld. A, Tech & Fortune Center

No. 8, Xueqing Rd., Haidian Dist., Beijing, China.

ASSIGNOR:

Signature: Xiao Jun MA

Name: Xiao Jun MA

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WITNESSES:

Signature: Shi Yuntao

Name: Shi Yuntao

Address: F8 bld. A. Technology Fortune Center

No. 8. Xueqing Rd. Haidian Dist. Beijing China

Signature: Zhang Zhigang

Name: Zhang Zhigang

Address: F8 Old. A. Technology Fortune Center

No. 8. Xueqing Rd. Haidian District. Beijing China.

ASSIGNOR:

Signature: Ning Liao

Name: Ning LIAO

EXECUTED, this 21 day of Dec, 2009.

WITNESSES:

Signature: Shangquan Shan

Name: Shangquan Shan

Address: F8 Bld. A Technology Fortune Center

No. 8 Xueqing Rd Haidian Dist Beijing China

Signature: Wang Xian lei

Name: Wang Xian lei

Address: F8 Bld. A Technology Fortune Center

No. 8 Xueqing Rd. Haidian District. Beijing. China.

ASSIGNOR:

Signature: Jian Feng CHEN

Name: Jian Feng CHEN

EXECUTED, this 21 day of Dec, 2009.

WITNESSES:

Signature: Teng Jun

Name: Teng Jun

Address: F8, Bld. A, Technology Fortune Center

No. 8, Xueqing Rd., Haidian Dist. Beijing, China

ASSIGNOR:

Signature: Xiao Jun MA

Name: Xiao Jun MA

Signature: XIA Zhijin

Name: XIA Zhijin

Address: F8. Bld. A, Tech & Fortune Center

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