

# RECORDATION FORM COVER SHEET PATENTS ONLY

Patent and Trademark Office

Atty Ref/Docket No.: 884.167US1

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Stephanie F. Pereira and Feng Xue

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

[ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: April 17, 2009, April 13, 2009

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

Name: Intel Corporation

Street Address: 2200 Mission College Blvd.

City: Santa Clara State: CA Zip: 95052

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

B. Patent No.(s)

Serial No. 12/426,382, filed April 20, 2009

Additional numbers attached? [ ] Yes [X] No

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

Name: Gregory J. Gorrie

Address:

Schwegman, Lundberg &amp; Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[ ] Enclosed

[X] Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

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.

Gregory J. Gorrie/Reg. No. 36,530

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 9

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT

REEL: 022685 FRAME: 0388

700408273

CH \$40.00 190743 12426382

Apr 17 09 05:26p

## ASSIGNMENT

WHEREAS, We, Stephanie F. Pereira, residing at 1780 Grosvenor Pl, Mississauga, Ontario L5L 3V8 Canada, and Feng Xue, residing at 944 A, Kiely Blvd, Santa Clara, CA 95051, made certain new and useful inventions and improvements as described in an application for Letters Patent of the United States entitled WIRELESS NETWORK AND METHOD FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTERFERENCE ALIGNMENT IN WIRELESS NETWORKS;

WHEREAS, We hereby authorize and request the attorneys, as listed on the Combined Declaration and Power of Attorney, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 12 / 426, 382; Filing Date: April 20, 2009) the filing date and application number of said application when known.

AND WHEREAS, Intel Corporation a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore:

Apr 17 09 05:26p

p. 3

Docket No: 384,167US1  
Class: Ref. No. P29478  
Title: WIRELESS NETWORK AND METHOD FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTERFERENCE ALIGNMENT  
IN WIRELESS NETWORKS  
Page 2 of 4

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

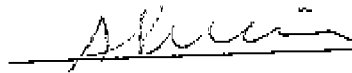
Apr 17 09 05:26p

p. 4

Docket No: 384167US1  
Client Ref No: P29478  
Title: WIRELESS NETWORK AND METHOD FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTERFERENCE ALIGNMENT  
IN WIRELESS NETWORKS  
Page 3 of 4

IN TESTIMONY WHEREOF, I have hereunto set my hand this 17<sup>th</sup> day of

April, 2009.



Stephanie F. Pereira

Apr 17 09 05:26p

p. 5

Docket No: 8841671181  
Client Ref. No. P29478  
Title: WIRELESS NETWORK AND METHOD FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTERFERENCE ALIGNMENT  
IN WIRELESS NETWORKS  
Page 4 of 4

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of

\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Feng Xue

## ASSIGNMENT

WHEREAS, We, Stephanie F. Pereira, residing at 1780 Grosvenor Pl. Mississauga, Ontario L5H 3V8 Canada, and Feng Xue, residing at 944 A. Kiely Blvd. Santa Clara, CA 95051, made certain new and useful inventions and improvements as described in an application for Letters Patent of the United States entitled WIRELESS NETWORK AND METHOD FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTERFERENCE ALIGNMENT IN WIRELESS NETWORKS;

WHEREAS, We hereby authorize and request the attorneys, as listed on the Combined Declaration and Power of Attorney, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 12/426,382; Filing Date: April 20, 2009) the filing date and application number of said application when known.

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

DocId: 33467151  
Patent No. 022685  
Title: WIRELESS NETWORKS AND METHODS FOR ADAPTIVE OPPORTUNISTIC CLUSTERING FOR INTELLIGENT NETWORKING  
IN WIRELESS NETWORKS  
Page 2 of 4

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Doc-Ref No: 894-67051  
Circuit No: 100175  
Title: WIRELESS NETWORK AND METHOD FOR ADAPTIVE, OPTICAL CIRCULARITY FOR INTERFERENCE ALIGNMENT  
IN WIRELESS NETWORKS  
Page 7 of 7

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of

\_\_\_\_, 20\_\_\_\_.

Stephanie F. Pereira



DocId: 36116934  
 Citel: Tel: 140 799375  
 File: [WWW.ISN.WORK](http://WWW.ISN.WORK), AND METHOD FOR ADAPTIVE OPTIC/SONISTIC CLUSTERING FOR INTERFERABLE ALIGNMENT  
 IN A 3DPT USE MULTICOSES  
 Page: 9 of 9

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13<sup>th</sup> day of

April 20 09

*[Signature]*

Peng Xu<sup>a</sup>