

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Zexian Li	05/26/2008
Roberto Albanese	05/26/2008
Andrea Bacioccola	05/26/2008
Aik Chindapol	05/28/2008
Shashikant Maheshwari	05/28/2008

## RECEIVING PARTY DATA

Name:	Nokia Corporation
Street Address:	Keilalahdentie 4
City:	Espoo
State/Country:	FINLAND
Postal Code:	02150

Name:	Nokia Siemens Networks Oy
Street Address:	Karaportti 3
City:	Espoo
State/Country:	FINLAND
Postal Code:	02610

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12049265

## CORRESPONDENCE DATA

Fax Number: (202)470-6464

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

Phone: 202-470-6451

Email: carla@brakehughes.com

Correspondent Name: R. Edward Brake

PATENT

500575930

REEL: 021144 FRAME: 0943

OP \$40.00 12049265

Address Line 1: 1700 Pennsylvania Ave., NW  
Address Line 2: Suite 400  
Address Line 4: Washington, DISTRICT OF COLUMBIA 20006

ATTORNEY DOCKET NUMBER:

0051-032001

NAME OF SUBMITTER:

R. Edward Brake, Reg No. 37,784

**Total Attachments: 6**

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source=0051-032001\_Signed\_Assign\_Maheshwari#page1.tif  
source=0051-032001\_Signed\_Assign\_Maheshwari#page2.tif

ASSIGNMENT

*to* *li*  
3663 PST NW #462, Washington, DC, 20007

WHEREAS, We, Aik Chindapol, residing at 41 Vandeventer Ave., Princeton, NJ 08542, and Shashikant Maheshwari, residing at 800 Kinwest Parkway, #57, Irving, TX 75063, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 14, 2008 as application serial no. 12/049,265, entitled TECHNIQUES FOR LINK UTILIZATION FOR HALF-DUPLEX AND FULL-DUPLEX STATIONS IN A WIRELESS NETWORK;

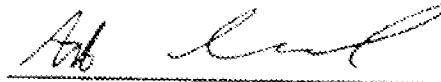
AND WHEREAS, Nokia Siemens Networks Oy, a corporation organized and existing under and by virtue of the laws of the Country of Finland, and having an office and place of business at Karaportti 3, Espoo, 02610 Finland (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2008.

  
 \_\_\_\_\_  
 Aik Chindapol

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
 Shashikant Maheshwari

### ASSIGNMENT

WHEREAS, We, Zexian Li, residing at Finnoontie 52 D11, Espoo, 02280, Finland, and Roberto Albanese, residing at Merimiehenkatu 14 B 16, Helsinki, 00150, Finland, and Andrea Bacioccola, residing at Eteläinen Hesperiankatu 28 B 31, Helsinki, 00100, Finland, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 14, 2008 as application serial no. 12/049,265, entitled TECHNIQUES FOR LINK UTILIZATION FOR HALF-DUPLEX AND FULL-DUPLEX STATIONS IN A WIRELESS NETWORK;

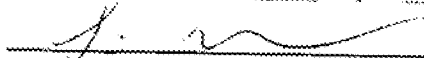
AND WHEREAS, Nokia Corporation, a corporation organized and existing under and by virtue of the laws of the Country of Finland, and having an office and place of business at Keilalahdentie 4, FIN-02150 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

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.

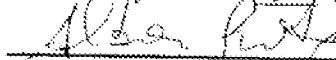
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said 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.


IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of May, 2008.

  
Zexian Li

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of MAY, 2008.

  
Roberto Albanese

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of MAY, 2008.

  
Andrea Bacioccola

## ASSIGNMENT

WHEREAS, We, Aik Chindapol, residing at 11 Vandeventer Ave., Princeton, NJ 08542, and Shashikant Maheshwari, residing at 800 Kinwest Parkway, #57, Irving, TX 75063, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 14, 2008 as application serial no. 12/049,265, entitled TECHNIQUES FOR LINK UTILIZATION FOR HALF-DUPLEX AND FULL-DUPLEX STATIONS IN A WIRELESS NETWORK;

AND WHEREAS, Nokia Siemens Networks Oy, a corporation organized and existing under and by virtue of the laws of the Country of Finland, and having an office and place of business at Karaportti 3, Espoo, 02610 Finland (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

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.

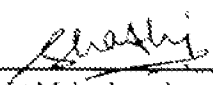
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said 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.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Aik Chindapol

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2008.

  
\_\_\_\_\_  
Shashikant Maheshwari