

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mohammadhadi Baligh</td> <td>12/02/2010</td> </tr> <tr> <td>Jianglei Ma</td> <td>12/02/2010</td> </tr> <tr> <td>Hua Xu</td> <td>04/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	Mohammadhadi Baligh	12/02/2010	Jianglei Ma	12/02/2010	Hua Xu	04/12/2011
Name	Execution Date								
Mohammadhadi Baligh	12/02/2010								
Jianglei Ma	12/02/2010								
Hua Xu	04/12/2011								
RECEIVING PARTY DATA									
Name:	Nortel Networks Limited								
Street Address:	5945 Airport Road								
Internal Address:	Suite 360								
City:	Mississauga								
State/Country:	ONTARIO								
Postal Code:	L4V 1R9								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12887004</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12887004				
Property Type	Number								
Application Number:	12887004								
CORRESPONDENCE DATA									
Fax Number:	8777697945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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NAME OF SUBMITTER:	Paige Nordell								
Total Attachments: 5 source=InventorAssignment#page1.tif source=InventorAssignment#page2.tif source=InventorAssignment#page3.tif source=InventorAssignment#page4.tif source=InventorAssignment#page5.tif									

CH \$40.00 12887004

FILE NO. 12/887.004 (92074-158)
US

PATENT APPLICATION
ASSIGNMENT

FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I (we) the undersigned, whose full post office address(es) is(are) listed below my (our) name(s), do hereby sell, assign and transfer to:

NORTEL NETWORKS LIMITED

(hereinafter "Nortel"), its successors, assigns and legal representatives, whose full post office address is:

5945 Airport Road, Suite 360
Mississauga, Ontario
Canada, L4V 1R9

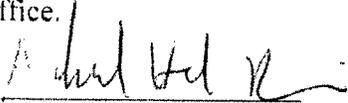
all their right, title, and interest worldwide in and to the invention relating to

**CLOSED LOOP AND SEMI CLOSED LOOP MULTI-SITE
MIMO COOPERATION**

as described in an application for letters patent filed concurrently herewith or filed in United States on September 21, 2010 and given serial number 12/887,004 as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in other countries, all continuations, continuations-in-part, divisions, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said invention.

I (We) undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention in any and all countries and to vest title thereto to Nortel, its successors assigns and legal representatives.

THE UNDERSIGNED hereby authorizes the firm of Smart & Biggar whose full office address is 438 University Avenue, Toronto, ON, Canada, M5G 2K8 to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Patent Office.



Mohammadhadi Baligh
149 Saltspring PVT
Kanata, Ontario
K2M 0B1
Canada

12/2/2010

(date)



Witness Signature

SAMIRA BASHIRI AMID

Witness Name (Print)

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Jianglei Ma
Jianglei Ma
3 Bon Echo Crescent
Ottawa, ON
K2M 2W5
Canada

Dec. 2, 2010
(date)

Zhoxi Zhang
Witness Signature

Zhongxi Zhang
Witness Name (Print)

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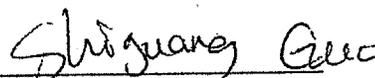


Hua Xu
5 Appaloosa Drive
Ottawa, ON
K2M 1N6
Canada

April 2, 2011
(date)



Witness Signature



Witness Name (Print)