

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2693954

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>11/03/2011</td> </tr> <tr> <td>JIANGLEI MA</td> <td>11/08/2011</td> </tr> <tr> <td>HUA XU</td> <td>11/03/2011</td> </tr> </tbody> </table>		Name	Execution Date	MOHAMMADHADI BALIGH	11/03/2011	JIANGLEI MA	11/08/2011	HUA XU	11/03/2011				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>NORTEL NETWORKS LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>5945 AIRPORT ROAD</td> </tr> <tr> <td>Internal Address:</td> <td>SUITE 360</td> </tr> <tr> <td>City:</td> <td>MISSISSAUGA, ONTARIO</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>L4V 1R9</td> </tr> </table>		Name:	NORTEL NETWORKS LIMITED	Street Address:	5945 AIRPORT ROAD	Internal Address:	SUITE 360	City:	MISSISSAUGA, ONTARIO	State/Country:	CANADA	Postal Code:	L4V 1R9
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PROPERTY NUMBERS Total: 2													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13620445</td> </tr> <tr> <td>Application Number:</td> <td>13620503</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13620445	Application Number:	13620503						
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Application Number:	13620445												
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CORRESPONDENCE DATA													
Fax Number:	(877)769-7945												
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NAME OF SUBMITTER:	CHRISTIE LOVEN												
Signature:	/Christie Loven/												

PATENT

Date:

01/23/2014

Total Attachments: 5

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FILE NO. 13/068837 (92074-159)
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 LOOP MULTI-SITE MIMO
COOPERATION**

as described in an application for letters patent filed concurrently herewith or filed in United States on September 21, 2009 and given serial number 13/068837 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.

PATENT
REEL: 029022 FRAME: 0785

PATENT
REEL: 032026 FRAME: 0656

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
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3/11/2011

(date)



Witness Signature

~~Alireza Bayesteh~~ Alireza Bayesteh

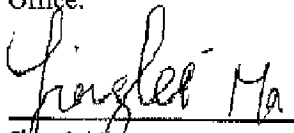
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PATENT
REEL: 029022 FRAME: 0786

PATENT
REEL: 032026 FRAME: 0657

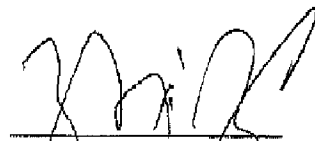
2

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Jinglei Ma

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ZHONGXI ZHANG
Witness Name (Print)

PATENT
REEL: 029022 FRAME: 0787

PATENT
REEL: 032026 FRAME: 0658

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PATENT
REEL: 029022 FRAME: 0788

PATENT
REEL: 032026 FRAME: 0659

2.

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Nov 3, 2011
(date)



Witness Signature

SHIWEI GAO

Witness Name (Print)

RECORDED: 09/25/2012

PATENT
REEL: 029022 FRAME: 0789

RECORDED: 01/23/2014

PATENT
REEL: 032026 FRAME: 0660