

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3877909

|                                                                                                                                                                                                 |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                  |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                      |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                 |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>           |
| WEN TONG                                                                                                                                                                                        | 07/08/1998                      |
| RUI WANG                                                                                                                                                                                        | 07/08/1998                      |
| EDDY NING HUM                                                                                                                                                                                   | 07/08/1998                      |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                 |
| <b>Name:</b>                                                                                                                                                                                    | NORTHERN TELECOM LIMITED        |
| <b>Street Address:</b>                                                                                                                                                                          | P.O. BOX 6123, STATION A        |
| <b>City:</b>                                                                                                                                                                                    | MONTREAL                        |
| <b>State/Country:</b>                                                                                                                                                                           | QUEBEC                          |
| <b>Postal Code:</b>                                                                                                                                                                             | H3C 3J5                         |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                 |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                   |
| Patent Number:                                                                                                                                                                                  | 6603962                         |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                 |
| <b>Fax Number:</b>                                                                                                                                                                              | (519)883-4935                   |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                 |
| <b>Phone:</b>                                                                                                                                                                                   | 519-597-1590                    |
| <b>Email:</b>                                                                                                                                                                                   | patentformaldocs@blackberry.com |
| <b>Correspondent Name:</b>                                                                                                                                                                      | BLACKBERRY LIMITED - JAMIE-LYN  |
| <b>Address Line 1:</b>                                                                                                                                                                          | 2200 UNIVERSITY AVENUE E.       |
| <b>Address Line 4:</b>                                                                                                                                                                          | WATERLOO, ONTARIO N2K 0A7       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 44616-US-DIV                    |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | JAMIE-LYN HORWOOD               |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Jamie-Lyn Horwood/             |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 05/18/2016                      |
| <b>Total Attachments: 1</b>                                                                                                                                                                     |                                 |
| source=44616_1998-07-08_ASN_Inventors to Northern Telecom Limited#page1.tif                                                                                                                     |                                 |

## ASSIGNMENT NORTHERN TELECOM LIMITED

For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

**NORTHERN TELECOM LIMITED**

whose full post office address is: P.O. Box 6123, Station A, Montreal,  
Quebec, Canada H3C 3J5

its successors, assigns and legal representatives, the entire right, title and interest, including  
priority rights, for all countries, in and to certain inventions relating to:

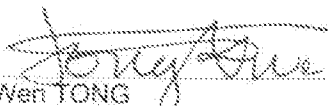
### DETERMINING SIR IN A COMMUNICATIONS SYSTEM

set forth in an application for letters patent of **the UNITED STATES OF AMERICA**  
executed concurrently herewith,

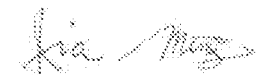
and in Canadian Patent Application No. 2,230,589 filed February 25, 1998

and all rights and privileges under any and all letters patent that may be granted for said inventions.

  
Witness Signature  
Suranath Sundalingam  
Witness Name (print)

  
Wen TONG  
903-1000 Castlehill Crescent  
Ottawa, Ontario, Canada K2C 3L7

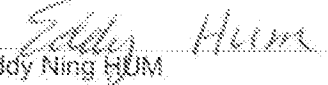
Date July 8/98  
Assignor

  
Witness Signature  
MING JIA  
Witness Name (print)

  
Rui WANG  
1204-900 Dunes Road  
Ottawa, Ontario, Canada K2C 3L6

Date July 8/98  
Assignor

  
Witness Signature  
Jia-jun Zhang  
Witness Name (print)

  
Eddy Ning HUM  
~~94 Chickasaw Crescent~~  
~~Kanata, Ontario, Canada K2M 1N1~~  
23 Manja Street  
Ottawa, Ontario, Canada K1G 4T9

Date July 8/98  
Assignor

EH

Witness Signature

Date  
Assignor

Witness Name (print)

Witness Signature

Date  
Assignor

Witness Name (print)

**PATENT**