FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0551-0027 (exp.5/31/2002) P08A/REV04 09-26-2006

VER SHEET

Docket No.: 71493-1401 /slr

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

demark Office

103311980 Tab settings → → To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): Name of conveying party(ies): JIANGLEI MA, MING JIA, WEN TONG, PEIYING ZHU and CLAUDE ROYER NORTEL NETWORKS LIMITED 2351 Boulevard Alfred-Nobel Address: ☐ Yes ☒ No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger Security Agreement Change of Name City: St. Laurent \_\_\_\_ State/Prov.: Quebec ☐ Other Canada Country: ZIP: Execution Date: April 28, 2005 Additional name(s) & address(es) ☐ Yes ☑ No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: April 28, 2005 Filing date B. Patent No.(s) Patent Application No. 0175551 84645450 30000058 1555E0 40,00 04 C:80El ☐ Yes ☒ No Additional numbers 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence 1 concerning document should be mailed: Name: R. Allan Brett 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 40,476 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: SMART & BIGGAR Authorized to be charged to deposit account P.O. Box 2999, Station D 8. Deposit account number: 900 - 55 Metcalfe Street 19-2550 City: Ottawa \_\_\_ State/Prov.: Ontario ZIP: K1P 5Y6 Country: Canada (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. R. Allan Brett (Reg. No. 40,476) September 15, 2006 Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

## 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:

> 2351 Boulevard Alfred-Nobel St. Laurent, Quebec Canada, H4S 2A9

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

## PILOT DESIGN FOR OFDM SYSTEMS WITH FOUR TRANSMIT ANTENNAS

as described in an application for letters patent filed concurrently herewith or filed in (Insert Country) on (Insert Date) and given serial number (Insert Serial Number), 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, divisionals, 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 P.O. Box 2999, Station D, 900-55 Metcalfe Street, Ottawa, Ontario, KIP 5Y6, Canada, 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.

Witness' Signature

3 Bon Echo Crescent

Kanata, Ontario, K2M 2W5, Canada

PATENT

Date: April 28, 2-5

REEL: 018328 FRAME: 0179

Witness' Name (print)

RECORDED: 09/15/2006

2

Witness' Signature Ming Jia 345 Whitby Ave., Apt. 302 IU ZHOU Ottawa, Ontario, K2A 0B3, Canada Witness' Name (print) Date: April 28.2005 Witness' Signature Wen Tong 12 Whitestone Drive SHOW Ottawa, Ontario, K2C 4A7, Canada Witness' Name (print) Date: April 28,2005
Assignor Witness' Signature 16 Pebble Creek Cres. ZHOU Kanata, Ontario, Canada K2M 2L4, Canada Witness! Name (print) CLAUDE ROYEK Date: 29 oublinois
Assignor mess' Signature Claude Royer 170 Champlain

Gatineau, Quebec, J8X 3R2, Canada

**PATENT** 

REEL: 018328 FRAME: 0180