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Docket No.: NRT.0204US

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Praveen Shekokar	2. Name and address of receiving party(ies):
Manoj Sharma	Name: Nortel Networks Limited
Badari Narayana	Address: 2351 Boulevard Alfred-Nobel
Ratnarekha Singamsetty	Address. 251 Boulevard Amed-Nobel
Mahesh Kumar Additional names(s) of conveying party(ies) ☐ Yes ☒ No	
3. Nature of conveyance/Execution Date(s): 06-04-08; 08-13-08; 06-04-08; 06-04-08; 06-05-08	
☑ Assignment	City: St. Laurent
☐ Security Agreement ☐ Change of Name	State/Prov.: Quebec
☐ Joint Research Agreement	Country: Canada ZIP: H4S 2A9
☐ Government Interest Assignment	
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☐ Other	Additional name(s) & address(es)
4. Application or patent numbers(s):	☐ This document is being filed together with a new application.
A. Patent Application No. (s)	B. Patent No.(s)
12/132,988	
Additional numbers atta	
concorning document chould be mailed:	6. Total number of applications and patents
concerning document should be mailed:	6. Total number of applications and patents involved:1
Name: Dan C. Hu	
Name: Dan C. Hu Registration No.: 40,025	involved:1
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Name: Dan C. Hu Registration No.: 40,025	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 ☐ Authorized to be charged by credit card
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C.	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed
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Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting) 8. Payment Information a. Credit Card Last 4 Numbers
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057 Phone Number: (713) 468-8880, ext. 304	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057 Phone Number: (713) 468-8880, ext. 304 Fax Number: (713) 468-8883	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card □ Authorized to be charged to deposit account ☑ Enclosed □ None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers □ Expiration Date □ b. Deposit Account Number 20-1504 (NRT.0204US)
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057 Phone Number: (713) 468-8880, ext. 304	Involved:
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057 Phone Number: (713) 468-8880, ext. 304 Fax Number: (713) 468-8883 Email gyount@tphm.com	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card □ Authorized to be charged to deposit account 図 Enclosed □ None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers □ Expiration Date b. Deposit Account Number 20-1504 (NRT.0204US) Authorized User Name 688
Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057 Phone Number: (713) 468-8880, ext. 304 Fax Number: (713) 468-8883 Email gyount@tphm.com 9. Signature:	Involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card □ Authorized to be charged to deposit account 図 Enclosed □ None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers □ Expiration Date b. Deposit Account Number 20-1504 (NRT.0204US) Authorized User Name 20-1504 (NRT.0204US)
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Name: Dan C. Hu Registration No.: 40,025 Address: TROP, PRUNER & HU, P.C. 1616 South Voss Road, Suite 750 City: Houston State/Prov.: TX Country: United States ZIP: 77057 Phone Number: (713) 468-8880, ext. 304 Fax Number: (713) 468-8883 Email gyount@tphm.com 9. Signature:	involved:1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card □ Authorized to be charged to deposit account 図 Enclosed □ None required (government interest not affecting 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 20-1504 (NRT.0204US) Authorized User Native 908 August 15, 2008

Documents to be recorded (including cover sheet) should be faxed to (571)273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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

MULTI-VIRTUAL SERVICE MODULE PINHOLE OR CONNECTION CLASS OFFLOAD

as described in an application for letters patent filed herewith or having application Serial No. 12/132,988, filed June 4, 2008, 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 Trop, Pruner & Hu, P.C. whose full office address is 1616 South Voss Road, Suite 750, Houston, Texas 77057-2631, 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.

Paul	JUNE 4,2008
PRAVEEN SHEKOKAR 20 Rahul Apt. Gaikwad Nagar, Aundh Pune, Maharashtra 411007 INDIA	Date
Witness Signature	SUDHER YESHWANATH Witness Name (Print)
MANOJ SHARMA 1235 Wildwood Avenue, Apt. 273 Sunnyvale, CA 94089 USA	Date
Witness Signature	Witness Name (Print)
BADARI NARAYANA 3532 Geneva Drive Santa Clara, CA 95051 USA	Date
Witness Signature	Witness Name (Print)
NRT.0204US (18952SSUS02U)	2

RATNAREKHA SINGAMSETTY 4013 Cloverfield Ct. San Jose, CA 95121 USA	Date
Witness Signature	Witness Name (Print)
MAHESH KUMAR 616 Argyle Ct. San Ramon, CA 94582 USA	Date
Witness Signature	Witness Name (Print)

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PRAVEEN SHEKOKAR 20 Rahul Apt. Gaikwad Nagar, Aundh Pune, Maharashtra 411007 INDIA	Date
Witness Signature	Witness Name (Print)
MANOJ SHARMA 1235 Wildwood Avenue, Apt. 273 Sunnyvale, CA 94089 USA	<u>08/13/2008</u> Date
Witness Signature	SKIKANTH MULAKALUFI Witness Name (Print)
BADARI NARAYANA 3532 Geneva Drive Santa Clara, CA 95051 USA	Date
Witness Signature	Witness Name (Print)

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MANOJ SHARMA 1235 Wildwood Avenue, Apt. 273 Sunnyvale, CA 94089 USA	Date
Witness Signature	Witness Name (Print)
BADARI NARAYANA 3532 Geneva Drive Santa Clara, CA 95051 USA	Jun 4, 2008 Date
Witness Signature	RUTH TSA1 Witness Name (Print)

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RATNAREKHA SINGAMSETTY 4013 Cloverfield Ct. San Jose, CA 95121 USA	Date
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MAHESH KUMAR 616 Argyle Ct. San Ramon, CA 94582 USA	6/5/08 Date
M. Umakumon Witness Signature	UNIA KUMAR. Witness Name (Print)

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RECORDED: 08/20/2008

3