02/23/04

Form <b>PTO-1595</b> (Rev. 10/02)	03-04-2004			U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office		
OMB No. 0651-0027 (exp. 6/30/2005)			0.0	o. I atent and Trad	emark office	
Tab settings ⇔⇔⇔ <b>↓</b>			4	•	¥	
To the honorable Commissione	102684	909	u original documer	nts or copy thereof.		
Name of conveying party(ies):     Xiangrong Cai		2. Name and address of receiving party(ies) Name: Nortel Networks Limited 2351 Blvd. Alfred-Nobel St. Laurent, Quebec, Canada H4S2A9				
Additional name(s) of conveying party(ies) attached?	Yes X No				787	
	ger ange of Name				10/7	
Other  Execution Date: 2/20/2004		Additional name(s)	& address(es) at	tached?	s 🗶 No	
4. Application number(s) or patent numl If this document is being filed together with  A. Patent Application No.(s)	$i \cup j$	execution date of the	e application is:	2/20/2004		
	Additional numbers att	ached? Yes	X No		:	
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>		Total number of applications and patents involved:				
Name: Lindsay G. McGuinness, Reg. No. 38,549 Steubing McGuinness & Manaras LLP		7. Total fee (37 CFR 3.41) \$ 40.00				
Internal Address:	···	Enclose	ed			
		X Authoriz	zed to be charge	ed to deposit acc	count	
Street Address: 125 Nagog Park Drive		8. Deposit according 502569	unt number:			
City: Acton State: MA	Zip: <u>01720</u>	(Attach duplicate c	opy of this page if	paying by deposit	account)	
DO NOT USE THIS SPACE						
Statement and signature.						
To the best of my knowledge and be Is a true copy of the original docume		ormation is true ar U MY D	nd correct and a	ny attached copy	/ _/	
Lindsay G. McGuinness Name of Person Signing	- Junua	Signature		Date	/	
Total number of pages	including cover sheet,	attachments, and do	ocuments: 🔀			

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Arlington, VA 22313

03/04/2004 MGETACHE 00000096 502569 10784757

1 FC:8021 40.00 N

PATENT REEL: 015024 FRAME: 0110 FILE NO. 120-334 Nortel Ref: 16526BAUS01U

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

## PROTOCOL INDEPENDENT MULTICAST DESIGNATED ROUTER ENHANCEMENTS FOR SUPPORTING INTERNET GROUP MANAGEMENT PROTOCOL IN A MULTI-ACCESS NETWORK

as described in an application for letters patent filed concurrently herewith and given 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, 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 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 Steubing McGuinness & Manaras LLP whose full office address is 125 Nagog Park Drive, Acton, MA 01720 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.

Xiangrong Cai

5 Kenmar Drive, Apt. 19

Billerica, MA 01821

Witness Signature

RECORDED: 02/23/2004

(Insert Date)

DEEPAK SETH

Witness Name (Print)

Rev. July 1, 2002

PATENT REEL: 015024 FRAME: 0111