OMB No. 065-0011 (exp. 4/94)			
To the Honourable Commissioner o, 1007428	382 ached original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
BELL-NORTHERN RESEARCH LTD.	Name: NORTHERN TELECOM LIMITED		
(JUN 1 2 1998 2)	Internal Address:		
Additional names(s) of conveying party(ies) attached? Yes X No			
3. Nature of conveyance:	Street Address: P.O. Box 6123, Station A		
X Assignment □ Merger			
□ Security Agreement □ Change of Name	City: <u>Montreal</u> State: <u>Quebec</u> Country: <u>Ca</u>		
□ Other	Postal Code: <u>H3C 3J5</u> Additional name(s) & address(es) attached? Yes X No		
Execution Date: <u>May 20, 1998</u>			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new applicati	on, the execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)		
08/947,855 (Whittaker et al.)			
Additional numbers att			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name:SMART & BIGGAR	one		
Internal Address: Attention: Ronald D. Faggetter			
mental / adices	7. Total fee (37 CFR 3.41)\$40.00		
	X Enclosed		
Street Address: 438 University Avenue	\Box Authorized to be charged to deposit account		
Suite 1500, Box 111	8. Deposit account number:		
City: <u>Toronto</u> Province: <u>Ontario</u> ZIP: <u>M5G 2K8</u>	19-2548 (Attached duplicate copy of this page if paying by deposit account		
Country: CANADA Atty. Docket No.: 91436-31			
DO NOT USE			
 Statement and signature. To the best of my knowledge and belief, the foregoing modes copy of the original document. 			
Ronald D. Faggetter	June 10,8998		
Name of Person Signing ST S Reg. No. 33,345	idefature Date		
Total number of pages including cover s	sheet, attachments, and document: 2		
	required cover sheet information to: rademarks, Box Assignments BCE20261: 9244 FRAME: 052 % 5		

The second s

Case: 91436-31 (RO-3401)

ASSIGNMENT NORTHERN TELECOM LIMITED

WHEREAS Richard Jonathan Whittaker, James R. Orlando

has (have) by an instrument in writing on		October 1 and October 6, 1	assigned to:		
whose full post of	fice address is:		IERN RESEARCH LTD. , Station C, Ottawa, da K1Y 4H7		
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: METHOD AND APPARATUS FOR MULTIPLEXING TELEPHONE LINES OVER A COMMON ACCESS NETWORK					
contained in an ap	oplication for lette	ers patent of	he UNITED STATES OF A	MERICA	
Serial No.)8/947,855	filed	October 9, 1997	·	
and all rights and privileges under any and all letters patent that may be granted for said inventions.					

NOW THEREFORE for value received, said **BELL-NORTHERN RESEARCH LTD.** its successors, assigns and legal representatives, hereby sells, assigns, and transfers 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 said certain inventions, and all rights and privileges under any and all letters patent that may be granted for said inventions.

BELL-NORTHERN RESEARCH LTD.

latueson

K.A. Mathieson Witness Name (print)

homes Ina

Thomas Prowse, Assistant Secretary

Date: 420/98

PATENT REEL: 9244 FRAME: 0525

RE@@R90ED: 06/12/1998