

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BELL-NORTHERN RESEARCH LTD.	02/15/1991
RECEIVING PARTY DATA	
Name:	NORTHERN TELECOM LIMITED
Street Address:	P.O. BOX 6123, STATION A
City:	MONTREAL, QUEBEC
State/Country:	CANADA
Postal Code:	H3C 3J5
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5497505
CORRESPONDENCE DATA	
Fax Number:	(202)778-2201
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2029551500
Email:	patdcdoCKET@hunton.com
Correspondent Name:	HUNTON & WILLIAMS
Address Line 1:	1900 K. STREET, N.W.
Address Line 2:	SUITE 1200
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20006
ATTORNEY DOCKET NUMBER:	57983.000343
NAME OF SUBMITTER:	Thomas E. Anderson
Total Attachments: 2 source=RO2630, 08168173 - BNRL to NTL#page1.tif source=RO2630, 08168173 - BNRL to NTL#page2.tif	

CH \$40.00 5497505

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

 BELL-NORTHERN RESEARCH LTD.

 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: NORTHERN TELECOM LIMITED
 Internal Address: _____

 Street Address: P.O. Box 6123, Station A

 City: Montreal
 State: Quebec
 Country: Canada Zip: H3C 3J5
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 2/15/1991
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
 B. Patent No.(s)
 5,497,505
 Additional numbers attached? Yes No

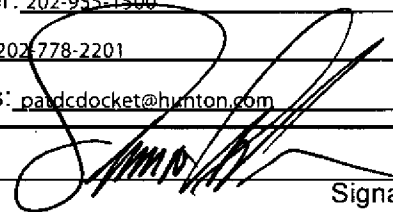
6. Total number of applications and patents involved: 1

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Hunton & Williams, LLP
 Internal Address: Intellectual Property

 Street Address: 1900 K. Street, N.W.
Suite 1200
 City: Washington
 State: DC Zip: 20006
 Phone Number: 202-955-1500
 Fax Number: 202-778-2201
 Email Address: patcdocket@hunton.com

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 Deposit Account Number 14-1315
 Authorized User Name Thomas E. Anderson

9. Signature:  Signature
 THOMAS E. ANDERSON
 Name of Person Signing

Date 5/11/14
 Total number of pages including cover sheet, attachments, and documents: 2

ASSIGNMENT NO. 1

FOR VALUE RECEIVED, I (WE) Mahshad KOOHGOLI and Sorin COHN-SFETCU

WHOSE FULL POST OFFICE ADDRESS(ES) IS (ARE):
54-2 Glebe Avenue, Ottawa, Ontario, Canada K1S 2C3; and
6-66 Rideau Terrace, Ottawa, Ontario, Canada

HEREBY SELL, ASSIGN AND TRANSFER TO: BELL-NORTHERN RESEARCH LTD.
WHOSE FULL POST OFFICE ADDRESS IS: P.O. BOX 3511, STATION C, OTTAWA, ONTARIO, CANADA, K1Y 4K7,

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:
IMPROVED CALL SET-UP AND SPECTRUM SHARING IN RADIO COMMUNICATION ON SYSTEMS WITH DYNAMIC CHANNEL ALLOCATION

CONTAINED IN AN APPLICATION FOR LETTERS PATENT OF the United States of America
EXECUTED BY ME (US) ON THE 4th DAY OF January 1991 AND ALL RIGHTS AND PRIVILEGES UNDER ANY AND ALL LETTERS PATENT THAT MAY BE GRANTED FOR SAID INVENTIONS.

WITNESS(ES)

Vivien Handforth
SIGNATURE
NAME: VIVIEN HANDFORTH

EXECUTED AT JUDICIAL DISTRICT OF OTTAWA-CARLETON, PROVINCE OF ONTARIO
THIS 31 DAY OF January 1991
Mahshad KOOHGOLI

LED STRALCZYNSKI
SIGNATURE
NAME: LED STRALCZYNSKI

EXECUTED AT JUDICIAL DISTRICT OF OTTAWA-CARLETON, PROVINCE OF ONTARIO
THIS 1 DAY OF February 1991
Sorin COHN-SFETCU

RECORDED
PATENT AND TRADEMARK
OFFICE

OCT 24 1991
SIGNATURE
NAME:

EXECUTED AT _____
THIS _____ DAY OF _____ 19____

ASSIGNMENT NO. 2

AND 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.

WITNESS(ES)

D. Dupre
SIGNATURE
NAME: D. Dupre

EXECUTED AT JUDICIAL DISTRICT OF OTTAWA-CARLETON, PROVINCE OF ONTARIO
THIS 15 DAY OF February 1991
BELL-NORTHERN RESEARCH LTD.

D. Austin
SIGNATURE
NAME: D. Austin

H.M. Bender, Vice-President, Business Communications Systems
R. C. Champagne, Secretary and Legal Counsel 6/89

REEL 5887 FRAME 175
REEL 5887 FRAME 177