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File No.: U008 0575

PATENTS ONLY

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10/475979

1. Name(s) of conveying party(ies):

DOTTO, Kim V.
YEDLIN, Mordechay

Additional name(s) attached? Yes No

2. Name and address of receiving party(ies):

Name: The University of British Columbia

Street Address: Industry Liaison Office
103 - 6190 Agronomy Road

City: Vancouver

Province: British Columbia

Country: Canada

Postal Code: V6T 1Z3

Additional name(s) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other: _____

Execution Date: 23 October 2003

4. Application number(s) or patent number(s):

10475979

If this is filed with a new application, the application's execution date is: 23 October 2003

Patent Application Serial No.(s): PCT/CA02/00589

Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Oyen Wiggs Green & Mutala
Attention: Gavin N. MANNING

Address: Suite 480—The Station
601 West Cordova Street
Vancouver, British Columbia
CANADA V6B 1G1

Tel.: (604) 669-3432 Fax: (604) 681-4081

6. Total no. of applications and patents involved: [1]

7. Total fee (37 CFR §1.21(h)) \$ 40.00

8. Deposit Account Number: 02-1037

(File two signed copies if paying by deposit account)

DO NOT USE THIS SPACE

9. 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.

Gavin N. Manning
Name of Person Signing

Signature

24 October 2003
Date

Total Number of pages including cover sheet, attachments, and document: [6]

ASSIGNMENT

WHEREAS WE, **Kim V. DOTTO** and **Mordechay YEDLIN**, (collectively, the " Assignors"), whose full post office addresses are respectively 4056 - W. 12th Avenue, Vancouver, British Columbia, V6R 1S8, Canada; and, 4378 - W. 5th Avenue, Vancouver, British Columbia, V6R 2R1, Canada, are the inventors of certain inventions or improvements described and/or claimed in the Patent Cooperation Treaty application PCT/CA02/00589 filed on 24 April 2002 and entitled:

ULTRA-WIDEBAND ANTENNAS

AND WHEREAS, **THE UNIVERSITY OF BRITISH COLUMBIA**, (" Assignee") whose full post office address is Industry Liaison Office, 103 - 6190 Agronomy Road, Vancouver, British Columbia, V6T 1Z3, Canada, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements, and in and to the said application, and in, to and under all Letters Patent which may be granted on or as a result thereof in all countries;

NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, the Assignors, do hereby, effective as of 24 April 2002, both jointly and severally, sell, assign, transfer and set over to the Assignee the entire right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and WE assign to and authorize the Assignee to file in our names applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us, had this assignment, sale and transfer not been made;

AND WE hereby covenant that WE have full right to convey the entire interest herein assigned, and that WE have not executed and will not execute any agreement in conflict herewith, and WE further covenant and agree that WE will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and WE agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

AND WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any official of any country or countries foreign to the United States of America whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

EXECUTED at Vancouver, British Columbia, Canada this _____ day of October, 2003.

SIGNED, SEALED & DELIVERED
by **Kim V. DOTTO**
in the presence of:

Signature of Witness

Print Witness' s Name

Print Witness' s Address

Print Witness' s Occupation

Kim V. DOTTO

EXECUTED at Vancouver, British Columbia, Canada this _____ day of October, 2003.

SIGNED, SEALED & DELIVERED
by **Mordechay YEDLIN**
in the presence of:



Signature of Witness

CHAD BLUER

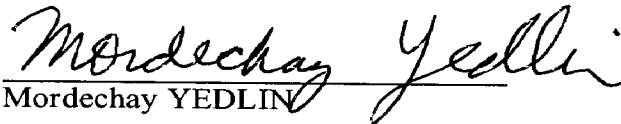
Print Witness' s Name

4434 W 5th Ave
Vancouver BC V6R 1S5

Print Witness' s Address

Patent Secretary

Print Witness' s Occupation



Mordechay YEDLIN

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AND WE hereby covenant that WE have full right to convey the entire interest herein assigned, and that WE have not executed and will not execute any agreement in conflict herewith, and WE further covenant and agree that WE will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent, in the Assignee, its successors, assigns, nominees or legal representatives, and WE agree to communicate to the Assignee, or its nominees, all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid the Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for said inventions or improvements in all countries, all at the expense, however, of the Assignee or its successors, assigns, nominees or legal representatives;

AND WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any official of any country or countries foreign to the United States of America whose duty it is to issue patents on applications as aforesaid, to issue to the Assignee, as assignee of the entire right, title and interest, all Letters Patent for said inventions or improvements, which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment.

EXECUTED at Vancouver, British Columbia, Canada this 23 day of October, 2003.

SIGNED, SEALED & DELIVERED
by **Kim V. DOTTO**
in the presence of:



Signature of Witness

CHAD BLAIR


Print Witness' s Name

4434 W. 5th Ave
Vancouver, BC V6R 1S5

Print Witness' s Address

Patent Secretary

Print Witness' s Occupation


Kim V. DOTTO

EXECUTED at Vancouver, British Columbia, Canada this _____ day of October, 2003.

SIGNED, SEALED & DELIVERED
by **Mordechay YEDLIN**
in the presence of:

Signature of Witness

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Print Witness' s Address

Print Witness' s Occupation

Mordechay YEDLIN

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WHEREAS WE, **Kim V. DOTTO** and **Mordechay YEDLIN**, (collectively, the "Assignors"), whose full post office addresses are respectively 4056 - W. 12th Avenue, Vancouver, British Columbia, V6R 1S8, Canada; and, 4378 - W. 5th Avenue, Vancouver, British Columbia, V6R 2R1, Canada, are the inventors of certain inventions or improvements described and/or claimed in the Patent Cooperation Treaty application PCT/CA02/00589 filed on 24 April 2002 and entitled:

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NOW THEREFORE, in consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, the Assignors, do hereby, effective as of 24 April 2002, both jointly and severally, sell, assign, transfer and set over to the Assignee the entire right, title and interest in and to the said inventions or improvements and said application, and all continuations, divisions, renewals of or substitutes for said application, and in, to and under all Letters Patent which may be granted on or as a result thereof, and any reissue or reissues of said Letters Patent; and WE assign to and authorize the Assignee to file in our names applications for Letters Patent for said inventions or improvements in all countries, the same to be held and enjoyed by the Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us, had this assignment, sale and transfer not been made;

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Signature of Witness

CHAD BLAIR

Print Witness' s Name

4434 W. 5th Ave
Vancouver, BC N6R 1S5

Print Witness' s Address

Patent Secretary

Print Witness' s Occupation


Kim V. DOTTO

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SIGNED, SEALED & DELIVERED
by **Mordechay YEDLIN**
in the presence of:

Signature of Witness

Mordechay YEDLIN

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by **Kim V. DOTTO**
in the presence of:

Signature of Witness

Kim V. DOTTO


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Print Witness' s Occupation

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Mordechay YEDLIN

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