Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:			NEW ASSIGNMENT	
NATURE OF CONVEYANCE:			ASSIGNMENT	
CONVEYING PARTY	DATA			
[
			ame	Execution Date
Norman C. Beaulieu				11/07/2008
Yunfei Chen				11/10/2008
RECEIVING PARTY D	ATA			
Name:	The Governors of the University of Alberta			
Street Address:	4th Floor, Enterprise Square			
Internal Address:	10230 Jasper Avenue			
City:	Edmonton, Alberta			
State/Country:	CANADA			
Postal Code:	T5J 4P6			
Property Type Application Number:		Number 12282119		
CORRESPONDENCE	DATA	JL		
Fax Number: (312)913-0002				
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.				
Phone: 312-913-0001 Email: busbes@mbbb.com				
Email: hughes@mbhb.com Correspondent Name: McDonnell Boehnen Hulbert & Berghoff LLP				
Address Line 1: 300 S. Wacker Drive				
Address Line 2: A. Blair Hughes				
Address Line 4: Chicago, ILLINOIS 60606				
ATTORNEY DOCKET NUMBER:			08-1056	
NAME OF SUBMITTER:			A. Blair Hughes	
Total Attachments: 4 source=08-1056 Assig	nment#page1	.tif		

500727645

source=08-1056 Assignment#page2.tif source=08-1056 Assignment#page3.tif source=08-1056 Assignment#page4.tif

79783-70 RAB:slr

ASSIGNMENT

WHEREAS, we, NORMAN. C. BEAULIEU and YUNFEI CHEN, citizens of Canada and China, respectively, residing at, respectively, 507 Hunters Way, Edmonton, Alberta, T6R 2W1, Canada and 2-46-162, Nanjing Refinery Factory, Nanjing, Jiangsu, 210033, China (hereinafter referred to as the "Assignors"), have made certain inventions and discoveries disclosed in United States Patent Application Serial No. 12/282,119, entitled NON-DATA-AIDED CHANNEL ESTIMATORS FOR MULTIPATH AND MULTIPLE ANTENNA WIRELESS SYSTEMS, filed on September 8, 2008, which is a national phase entry of PCT International Patent Application Serial No. PCT/CA2007/000356 filed March 7, 2007, which claims priority from United States Provisional Patent Application Serial No. 60/779,415 filed March 7, 2006 (hereinafter referred to as the "Application");

AND WHEREAS, THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, whose full post office address is TEC Edmonton, 4th Floor, Enterprise Square, 10230 - Jasper Avenue, Edmonton, Alberta, T5J 4P6, Canada (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions and discoveries, and in and to the Application inclusive of any and all priority rights derived therefrom for any and all countries in the world, and in and to any and all Letters Patent issuing in any and all countries in the world, to be granted for said inventions and discoveries based on said Application or on patent applications filed in any country claiming priority from said Application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the Assignors, do hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, our entire right, title, and interest in and to the inventions and discoveries disclosed in the Application, and in and to the Application and any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country claiming priority from the Application, and in and to all Letters Patent which may be granted upon the Application or upon patent applications filed in any and all countries in the world including the United States of America, claiming priority from the Application, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent, or reissues, substitutions, or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

AND we hereby agree that, upon request, and without further consideration, but at the expense of the Assignee, we will communicate to the Assignee or its representatives or nominees any facts known to us respecting said inventions and discoveries and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said inventions and discoveries in all countries, and we further agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignce, its successors and assigns, in and to said inventions and discoveries, and in and to any and all Letters Patent or reissues thereof which may be granted upon application in any and all countries in the world.

AND we hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted upon the aforesaid Application in any and all countries, and each and every reissue of said Letters Patent, to the Assignee, its successors and assigns, as the assignee of our entire right, title and interest therein, in accordance with this assignment.

THIS assignment made effective as of March 7, 2007.

SIGNED this

day of November . 2008.

Suzanne Cunningham Marman C. Brecelieu WITNESS Suzanne Cunningham NORMAN C. BEAULIEU

SIGNED this

day of

, 2008.

WITNESS

YUNFEI CHEN

2

AND we hereby agree that, upon request, and without further consideration, but at the expense of the Assignce, we will communicate to the Assignee or its representatives or nominces any facts known to us respecting said inventions and discoveries and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said inventions and discoveries in all countries, and we further agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its successors and assigns, in and to said inventions and discoveries, and in and to any and all Letters Patent or reissues thereof which may be granted upon application in any and all countries in the world.

AND we hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted upon the aforesaid Application in any and all countries, and each and every relissue of said Letters Patent, to the Assignee, its successors and assigns, as the assignee of our entire right, title and interest therein, in accordance with this assignment,

THIS assignment made effective as of March 7, 2007.

SIGNED this

day of November ,2008,

Cunning WITNESS

Bauliea

NORMAN C. BEAULIEU

SIGNED this

WITNESS

day of

November, 2008.

Stanter.

YUNFEI CHEN

2

ACKNOWLEDGED AND ACCEPTED at EPMORITON this \$7 day of Nukmber 2008.

THE GOVERNORS OF THE UNIVERSITY OF ALBERTA

BY:

print name

Dr. David J. Cox CEO, TEC Edmonton University of Alberta

title

. · · .