

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PAT126544

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	10/14/2013

**CONVEYING PARTY DATA**

Name	Execution Date
FREDERIC NABKI	09/16/2020
DOMINIC DESLANDES	09/21/2020
ALEXANDRE DESMARAIS	09/22/2020
ANIS BOUNIF	09/24/2020
WILLIAM PHAM	09/11/2020
ANKHIET VUONG	09/24/2020
WANG YU HAO	09/25/2020

**RECEIVING PARTY DATA**

<b>Company Name:</b>	UNIVERSITE DU QUEBEC A MONTREAL
<b>Street Address:</b>	1430 RUE SAINT-DENIS
<b>Internal Address:</b>	C.P. 8888 SUCCURSALE, CENTRE VILLE
<b>City:</b>	MONTREAL
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	H3C3P8

**PROPERTY NUMBERS Total: 12**

Property Type	Number
Application Number:	61925290
Application Number:	15110489
Application Number:	15873308
Application Number:	16254809
Application Number:	16256540
Application Number:	16257310
Application Number:	16679838
Application Number:	16715589
Application Number:	16715638
Application Number:	16938208
Application Number:	17455889
Application Number:	18331744

PATENT

**CORRESPONDENCE DATA****Fax Number:** 6132388775*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 6139798678**Email:** AODONNELL@PERLAW.CA**Correspondent Name:** Adrian O'Donnell**Address Line 1:** 1400 - 340 ALBERT STREET**Address Line 2:** PERLEY-ROBERTSON, HILL & MCDOUGALL LLP**Address Line 4:** OTTAWA, CANADA K1R 7Y6

<b>NAME OF SUBMITTER:</b>	Adrian O'Donnell
<b>SIGNATURE:</b>	Adrian O'Donnell
<b>DATE SIGNED:</b>	02/14/2024

**Total Attachments: 9**

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**CONFIRMATION ASSIGNMENT OF INVENTION**

**WHEREAS, We**, hereinafter referred to as assignor,

**FREDERIC NABKI**,  
whose address at the time of assignment was 712-350 Boulevard de Maisonneuve Ouest,  
Montreal, Quebec, H3A 0B4, Canada;

**DOMINIC DESLANDES ;**  
whose address at the time of assignment was 2076 rue Marie-Anne-Legras, Chambly, Quebec, J3L  
0E3, Canada;

**ALEXANDRE DESMARAIS**  
whose address at the time of assignment was 3769 rue Wellington, Verdun, Quebec, H4G 1V1,  
Canada;

**ANHKIET VUONG**  
whose address at the time of assignment was 330 Avenue Laurier Est, Appartement 20, Montreal,  
Quebec, H2T 1G5, Canada;

**ANIS BOUNIF**  
whose address at the time of assignment was 2767 Avenue Henri de Salieres, Montreal, Quebec,  
H1N 2X9, Canada;

**WANG YU HAO**  
whose address at the time of assignment was 7989 22eme Avenue, Montreal, Quebec, H1Z 3T2,  
Canada; and

**WILLIAM PHAM**  
whose address at the time of assignment was 2939 rue Thomas-Valin. Montreal, H2K 4R7, Canada

**INVENTED** certain improvements relating to **Ultra Wideband Broadcasting** which have described  
within documents including, but not limited to, that listed below:

**"Methods and Systems Relating to Ultra Wideband Broadcasting"** filed **January 9, 2014** under  
United States Provisional Patent Application No. **61/925,290**;

**"Methods and Systems Relating to Ultra Wideband Broadcasting"** filed **January 7, 2015** under  
World Intellectual Property Office Patent Application No. **PCT/CA2015/000007**;

**WHEREAS, Universite du Quebec a Montreal**, hereinafter referred to as the assignee, whose full  
post office address is **1430 rue Saint-Denis, C.P. 8888 Succursale, Centre-Ville, Montreal, Quebec, H3C  
3P8, Canada** was and is desirous of and did acquire the entire right, title and interest in and to said invention  
or inventions and in and to any and all patents to be obtained therefor;

**NOW, THEREFORE**, we did as of October 14, 2013 assign our rights, titles and interest in and to  
said invention or inventions and to any and all patents to be obtained therefor to University du Quebec a  
Montreal by virtue of the Assignment Agreement entitled "Convention de Cession Entre L'UQAM et Nabki et  
al" as executed by Frederic Nabki, Dominic Deslandes, Alexandre Desmarais, Ankhiet Vuong, Anis Bounif,  
Wang Yu Hao, and William Pham for themselves and by Yves Mauffette, Vice-Recteur a la Recherche et a  
la Creation for Universite du Quebec a Montreal

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other valuable consideration, the  
receipt of which is hereby acknowledged, and do by these presents do hereby sell, assign and transfer unto

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
and Université du Québec à Montréal

said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application / disclosure, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

**WE FURTHER AGREE** without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns.

**WITNESS:**

**ASSIGNOR (INVENTOR)**

Date: 2020-9-16

Printed Name of Witness JASMINE LETOURNEAU

Signature of Witness Jasmine Letourneau

Frederic Nabki  
FREDERIC NABKI

**WITNESS:**

**ASSIGNOR (INVENTOR)**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

\_\_\_\_\_  
DOMINIC DESLANDES

**WITNESS:**

**ASSIGNOR (INVENTOR)**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

\_\_\_\_\_  
ALEXANDRE DESMARAIS

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
and Université du Québec à Montréal

said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application / disclosure, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

WE FURTHER AGREE without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns.

WITNESS:

ASSIGNOR (INVENTOR)

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

\_\_\_\_\_  
FREDERIC NABKI

WITNESS:

ASSIGNOR (INVENTOR)

Date: 21 sept. 2020

Printed Name of Witness Nancy Bourassa

Signature of Witness *Nancy Bourassa*

\_\_\_\_\_  
*Dominic Deslandes*  
DOMINIC DESLANDES

WITNESS:

ASSIGNOR (INVENTOR)

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

\_\_\_\_\_  
ALEXANDRE DESMARAIS

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
du Québec à Montréal



said assignee, its successors, and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application / disclosure, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

**WE FURTHER AGREE** without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns.

**WITNESS:**

**ASSIGNOR (INVENTOR)**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

\_\_\_\_\_  
**FREDERIC NABKI**

**WITNESS:**

**ASSIGNOR (INVENTOR)**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

\_\_\_\_\_  
**DOMINIC DESLANDES**

**WITNESS:**

**ASSIGNOR (INVENTOR)**

Date: 22/09/2020

Printed Name of Witness Catherine Routhier

Signature of Witness 



**ALEXANDRE DESMARAIS**

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
and Université du Québec à Montréal

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
**ANKHIET VUONG**

**WITNESS:**

Date: 24 September 2020

Printed Name of Witness ALBAN NDIJENG

Signature of Witness 

**ASSIGNOR (INVENTOR)**

  
**ANIS BOUNIF**

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
**WANG YU HAO**


**WITNESS:**

Date: 11 septembre 2020

Printed Name of Witness Cynthia Skrivanos

Signature of Witness 

**ASSIGNOR (INVENTOR)**

  
**WILLIAM PHAM**

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
and Université du Québec à Montréal

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
**ANKHIET VUONG**

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
**ANIS BOUNIF**

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
**WANG YU HAO**

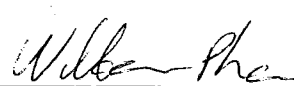
**WITNESS:**

Date: 11 septembre 2020

Printed Name of Witness Cynthia SKIVANOS

Signature of Witness 

**ASSIGNOR (INVENTOR)**

  
**WILLIAM PHAM**





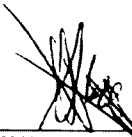
**WITNESS:**

PERLEY-ROBERTSON, HILL & McDOUGALL LLP/s.r.l. 24/09/20  
Date: \_\_\_\_\_

Printed Name of Witness SELHA Meziti

Signature of Witness 

**ASSIGNOR (INVENTOR)**

  
ANKHIET VUONG

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
ANIS BOUNIF

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
WANG YU HAO

**WITNESS:**

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

**ASSIGNOR (INVENTOR)**

\_\_\_\_\_  
WILLIAM PHAM

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
and Université du Québec à Montréal

WITNESS:

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

ASSIGNOR (INVENTOR)

\_\_\_\_\_  
ANKHIET VUONG

WITNESS:

Date: \_\_\_\_\_

Printed Name of Witness \_\_\_\_\_

Signature of Witness \_\_\_\_\_

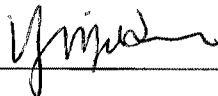
ASSIGNOR (INVENTOR)

\_\_\_\_\_  
ANIS BOUNIF

WITNESS:

Date: 25/09/2020

Printed Name of Witness Yan Jie Zhao

Signature of Witness 

ASSIGNOR (INVENTOR)

  
WANG YU HAO

WITNESS:

Date: 11 septembre 2020

Printed Name of Witness Cynthia SKRIVANOS

Signature of Witness 

ASSIGNOR (INVENTOR)

  
WILLIAM PHAM

Nabki, Deslandes, Desmarais, Vuong, Bounif, Hao and Pham  
and Université du Québec à Montréal

WITNESS:

ASSIGNEE (UNIVERSITE DU QUEBEC  
A MONTREAL)

Date:

September 23<sup>rd</sup>, 2020

Printed Name of Witness

SOPHIE VALERO

Signature of Witness





Signature

Christine AGBOBLI

Name

Vice - rector

Title

Visé par le Service des affaires  
juridiques de l'UQAM le 17 septembre  
2020

