

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7166526

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	02/18/2021
RECEIVING PARTY DATA		
Name:	HUAWEI TECHNOLOGIES CANADA CO., LTD.	
Street Address:	303 TERRY FOX DRIVE	
Internal Address:	SUITE 400	
City:	KANATA	
State/Country:	CANADA	
Postal Code:	K2K 3J1	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17182818
CORRESPONDENCE DATA		
Fax Number:	(613)563-7671	
<i>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.</i>		
Phone:	613-567-0762	
Email:	cnaugler@mbm.com	
Correspondent Name:	MBM INTELLECTUAL PROPERTY LAW LLP	
Address Line 1:	275 SLATER STREET	
Address Line 2:	14TH FLOOR	
Address Line 4:	OTTAWA, CANADA K1P 5H9	
ATTORNEY DOCKET NUMBER:	87217628US04	
NAME OF SUBMITTER:	CELESTE NAUGLER	
SIGNATURE:	/Celeste Naugler/	
DATE SIGNED:	02/09/2022	
Total Attachments: 6		
source=87217628US04-Assignment_UT_to_Huawei#page1.tif		
source=87217628US04-Assignment_UT_to_Huawei#page2.tif		
source=87217628US04-Assignment_UT_to_Huawei#page3.tif		
source=87217628US04-Assignment_UT_to_Huawei#page4.tif		

source=87217628US04-Assignment_UT_to_Huawei#page5.tif

source=87217628US04-Assignment_UT_to_Huawei#page6.tif

PATENT

REEL: 058935 FRAME: 0531

ASSIGNMENT

WHEREAS, as of February 15, 2021 (the “Effective Date”) THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, hereinafter referred to as the “Assignor”, whose full post office address is Banting Institute, 100 College Street, Suite 413, Toronto, Ontario M5G 1L5, Canada, is the owner of an invention relating to and entitled:

QUANTIZED ANALOG SIGNAL PROCESSING

AKA

QUANTIZED ANALOG RX FRONT-END FOR SAW-LESS APPLICATIONS

AKA

METHOD AND SYSTEM FOR LINEAR SIGNAL PROCESSING WITH SIGNAL DECOMPOSITION

hereinafter referred to as the “Invention”, as fully set forth and described in an application for Letters Patent identified as:

Country	Application /Serial Number	Filing Date	Title
International	PCT/CA2019/051185	August 28, 2019	METHOD AND SYSTEM FOR LINEAR SIGNAL PROCESSING WITH SIGNAL DECOMPOSITION
U.S.A	62/724,756	August 30, 2018	QUANTIZED ANALOG RX FRONT- END FOR SAW-LESS APPLICATIONS

hereinafter referred to as the “Applications”;

AND WHEREAS, THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO (“University”) and HUAWEI TECHNOLOGIES CANADA CO., LTD. (“Huawei”), including their representatives, their duly authorized agents, their nominees, their mandataries, their successors and their assignees, hereinafter collectively referred to as the “Assignees”, whose full post office addresses are: 100 College Street, Suite 413, Toronto, Ontario M5G 1L5, Canada; and 19 Allstate Parkway, 5th Floor, Markham, Ontario, L3R 5A4, Canada, respectively.

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, and release is hereby given, the parties agree to the following:

The Assignor does hereby convey, sell, assign, deliver and/or transfer and/or confirm such sale, assignment, deliverance and/or transfer to said Assignees all its right, title and interest throughout the world including without limitation Canada and the United States and their territories and possessions (hereinafter the **"Territory"**), in and to the invention(s) as described and/or claimed in the Applications and/or patents identified herewith, and including but not limited to all its corresponding rights, titles and interests in and to any patent on said invention(s) which may issue therefor in the Territory, as well as all priority rights based upon any and the Applications and all patents covered by this Assignment, including without limitation, corresponding PCT applications, regional or national patent applications, divisionals, continuations, continuations-in-part, reissues, re-examined applications, extensions, validations, substitution applications, all issued patents thereof and all inventions disclosed in said applications and patents (collectively, the **"Patents"**).

The Assignor further assigns the right to recover for any and all claims and causes of action with respect to any of the Patents, whether accruing before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, depreciation of goodwill, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

The Assignor agrees to diligently execute all papers, forms and legal acts that may be necessary to obtain the Patents and/or file other applications in the Territory, for the above invention or any invention described in said Patents, in the name of the Assignees. Without limiting the foregoing, Assignor hereby authorizes the Commissioner for Patents at CIPO, and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Assignment upon request by Assignees or either Assignee.

The Assignor agrees to diligently communicate to the Assignees any facts known to he/she/it respecting said invention, to make all rightful oaths and to generally do everything in its power to aid said Assignees, to obtain and enforce proper protection for said invention in the Territory.

All costs and charges required for and/or related to the filing of other applications and/or the registration of the present Assignment in the Territory, including, but not limited to, official and governmental fees, shall be borne by the Assignor.

The Assignor does authorize and empower the Assignees or either Assignee to sign all documents and perform all acts that are required to register this assignment and any related document that gives legal force to this Assignment, and for Assignees to apply for and obtain, in its their names, Patents for said invention

before the competent international authorities and throughout the Territory wherever applications can be so filed, or a Patent can be so obtained.

In the event that, after the date of signing of this Assignment, the Assignor is unable for any reason whatsoever to sign or deliver any document required under this Assignment, the Assignor hereby irrevocably designates the Assignees or either Assignee to act for and on its behalf, to execute and file any such document, and to do all other legal acts to further the purposes of the foregoing with the same legal force and effect as if executed by the Assignor.

The Assignor represents and warrants that at the time of execution of this Assignment, he/she/it is the owner of the right, title, and interest in and to the Patents, that he/she/it has not assigned, transferred, licensed or encumbered its rights therein, and that he/she/it will not hereafter assign or attempt to assign any rights therein, or take any other action inconsistent with this Assignment.

The Assignor hereby acknowledges that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For the purpose of all legal proceedings this Assignment will be deemed to have been performed in the Province of Ontario and will be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

The Parties confirm their express wish that this Assignment be drawn up in the English language.
Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.

EXECUTED at Toronto (city), Canada (country).

Assignor

**THE GOVERNING COUNCIL OF THE
UNIVERSITY OF TORONTO**

Company Name

Jennifer Fraser
Signatory's Name

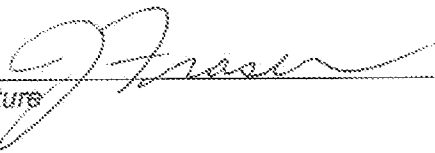
Witness

**THE GOVERNING COUNCIL OF THE
UNIVERSITY OF TORONTO**

Company Name

Michael Boutil
Signatory's Name

Signature



Title

Dieter Innovations

Date

Feb 18, 2021

Signature



Title

Computer Support

Date

Feb 18, 2021

ACKNOWLEDGEMENT

The Assignee has read and hereby accept the assignment.

EXECUTED at Toronto (city), Canada (country).

Assignee

THE GOVERNING COUNCIL OF THE
UNIVERSITY OF TORONTO

Company Name

Jennifer Fraser

Signatory's Name

J Fraser

Signature

Director, Innovations

Title

Feb 18, 2021

Date

Witness

THE GOVERNING COUNCIL OF THE
UNIVERSITY OF TORONTO

Company Name

Michael Bow Ho

Signatory's Name

M B H

Signature

Computer Support

Title

Feb 18, 2021

Date

ACKNOWLEDGEMENT

The Assignee has read and hereby accepts the assignment.

EXECUTED at Ottawa (city), Canada (country).

Assignee

HUAWEI TECHNOLOGIES CANADA CO., LTD.

Company Name

Changtian Cai

Signatory's Name



Signature

President, R&D

Title

February 16, 2021

Date

Witness

HUAWEI TECHNOLOGIES CANADA CO., LTD.

Company Name

Yunqing Liang

Signatory's Name



Signature

Executive Assistant

Title

February 16, 2021

Date