

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5156082

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	12/23/2016
CONVEYING PARTY DATA	
Name	Execution Date
HAIQING WU	07/26/2018
STEVE HATZIGEORGIU	07/26/2018
MICHEL TREMBLAY	07/26/2018
BRENT STOUTE	08/21/2018
RECEIVING PARTY DATA	
Name:	MACDONALD, DETTWILER AND ASSOCIATES CORPORATION
Street Address:	21025 TRANS-CANADA HIGHWAY
City:	STE-ANNE-DE-BELLEVUE, QC
State/Country:	CANADA
Postal Code:	H9X 3R2
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15853588
CORRESPONDENCE DATA	
Fax Number:	(514)353-0908
<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:	5143531231
Email:	iklein@praxis-ip.com
Correspondent Name:	PRAXIS
Address Line 1:	SUITE 410 - 1500 AVENUE DU COLLEGE
Address Line 4:	MONTREAL, QC, CANADA H4L 5G6
ATTORNEY DOCKET NUMBER:	1118-B17.US
NAME OF SUBMITTER:	ISABELLE KLEIN
SIGNATURE:	/Isabelle Klein/
DATE SIGNED:	09/25/2018
Total Attachments: 4	
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ASSIGNMENT OF INVENTION UNIVERSAL

WHEREAS, we: 1) Haiqing WU, 2) Steve HATZIGEORGIU, 3) Michel TREMBLAY, and 4) Brent STOUTE

whose full addresses are: 1) 29 Rue des Arbres, Dollard-des-Ormeaux, Québec, H9G 3C2, Canada, 2) 17220 boul. Brunswick, Kirkland, Québec, H9J 1K9, Canada 3) 217 Rue des Patriotes, St-Eustache, Québec, J7R 6J3, Canada, and 4) 15 Tunstall, Senneville, Québec, H9X 1S9, Canada respectively,

hereinafter referred to as the **Assignors**, in consideration of \$1.00 and other good and valuable consideration, the receipt of which is hereby acknowledged and for which a full release and discharge is given, have and by these presents do hereby sell and assign to:

MacDonald, Dettwiler and Associates Corporation

whose full post office address is: 21025 Trans-Canada Highway, Ste-Anne-de-Bellevue Québec, H9X 3R2, Canada

hereinafter referred to as the **Assignee**, all of our rights, titles and interests in each and every country in the world in and to the invention entitled:

CALIBRATION SYSTEM AND METHOD FOR OPTIMIZING LEAKAGE PERFORMANCE OF A MULTI-PORT AMPLIFIER

as described in:

- US Provisional Patent Application No. **15/853,588** filed on **December 22, 2017** including without limitation the right to claim, any and all of the benefit(s) of the International Convention relating to priority associated with the said invention and all of the corresponding rights, titles and interests in and to any and all patents, registrations and the like which may issue therefore anywhere in the world including, without limitation, in the United States, Canada and Europe and any other PCT contracting or non-contracting state and/or region and any validations and translations based thereon, including, without limitation, any rights, titles and interest in any reissues and extensions thereof to be obtained in any country and including without limitation any divisional, continuation, continuation-in-part, substitute application(s), or supplementary disclosure(s) or petty patents which may be filed in any state or region and which pertains to the said invention.

We further agree without any further payment by said assignee other than reasonable expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference, litigation, validity 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 my/our heirs, legal representatives, administrators and assigns.

We hereby authorize the firm of PRAXIS and/or the Agents and/or Attorneys of record to correct errors in this assignment or to insert any further identification or other information necessary or desirable to make this assignment suitable for recordal.

This assignment is being executed *nunc pro tunc* as of December 23, 2016.

Le(s) soussigné(s) désire(nt) que la présente cession soit rédigée en anglais.
The undersigned request(s) that the present assignment be in English.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

ASSIGNOR:



(Signature of the Inventor, Assignor)

WU, Haiqing

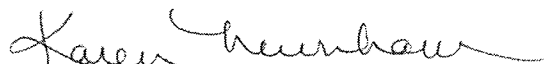
(Name of the Inventor, Assignor in Capital Letters)

sainte - Anne - de - Bellevue, Canada

(City) (Country)

July 26, 2018

(Date)



(Signature of Witness)

KAREN NEWNHAM

(Name of Witness in Capital Letters)

ASSIGNOR:



(Signature of the Inventor, Assignor)

HATZIGEORGIOU, Steve

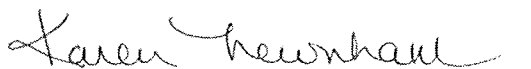
(Name of the Inventor, Assignor in Capital Letters)

Saint - Anne - de - Bellevue, Canada

(City) (Country)

26 JULY 2018

(Date)



(Signature of Witness)

KAREN NEWNHAM

(Name of Witness in Capital Letters)

ASSIGNOR:

Michel Tremblay
(Signature of the Inventor, Assignor)

TREMBLAY, Michel

(Name of the Inventor, Assignor in Capital Letters)

St-Anne-de-belleuve, Canada
(City) (Country)

26 July 2018
(Date)

Karen Newham
(Signature of Witness)

KAREN NEWHAM
(Name of Witness in Capital Letters)

ASSIGNOR:

Brent Stoute
(Signature of the Inventor, Assignor)

STOUTE, Brent

(Name of the Inventor, Assignor in Capital Letters)

St-Anne-de-belleuve, CANADA
(City) (Country)

21 AUG 2018
(Date)

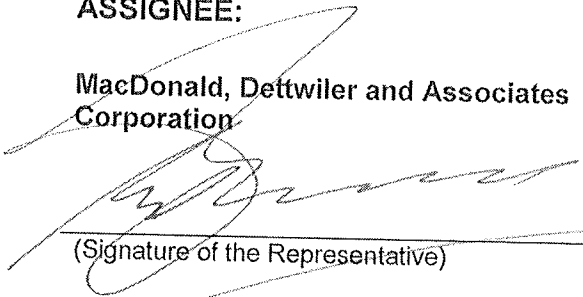
Karen Newham
(Signature of Witness)

KAREN NEWHAM
(Name of Witness in Capital Letters)

ACCEPTED,

ASSIGNEE:

MacDonald, Dettwiler and Associates
Corporation



(Signature of the Representative)

MICHAEL J. POTASSE

(Name of the Representative in Capital Letters)

Director, CONTRACTS AND SUBCONTRACTS

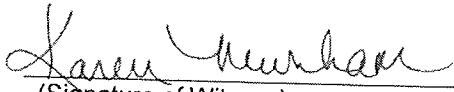
(Title)

Ste-ANNE-de-BELLEVUE, QUEBEC

(City) (Country)

21 Aug. 2018

(Date)



(Signature of Witness)

KAREN NEWNHAM

(Name of Witness in Capital Letters)