504343596 04/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4390284

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLIVIER TRESCASES	04/24/2017
SHAHAB POSHTKOUHI	04/24/2017

RECEIVING PARTY DATA

Name:	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	
Street Address:	BANTING INSTITUTE, 100 COLLEGE STREET	
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City:	TORONTO, ONTARIO	
State/Country:	CANADA	
Postal Code:	M5G 1L5	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14798924

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ATTORNEY DOCKET NUMBER:	61317-239214	
NAME OF SUBMITTER:	RENEE A. DANEGA	
SIGNATURE:	/Renee A. Danega/	
DATE SIGNED:	04/28/2017	

Total Attachments: 5

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ASSIGNMENT

WHEREAS.

Olivier Trescases , whose full post office address is

32 McRae Drive, Toronto, Ontario, M4G 1R9, Canada, and

Shahab Poshtkouhi, whose full post office address is

PH111 - 35 Bales Avenue, Toronto, Ontario, M2N 7L7, Canada

hereinafter referred to as the "Assignors", are co-inventors with Raymond Kenneth Orr and James Benson Bacque of an invention relating to and entitled:

SWITCHING SYNCHRONIZATION FOR ISOLATED ELECTRONICS TOPOLOGIES

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

Country	Serial Number	Filing Date	Title
U.S.A.	62/025,775	July 17 ⁴¹ , 2014	SWITCHING SYNCHRONIZATION FOR ISOLATED
			ELECTRONICS TOPOLOGIES
U.S.A.	14/798,924	July 14 th , 2015	SWITCHING SYNCHRONIZATION FOR ISOLATED
			ELECTRONICS TOPOLOGIES

hereinafter referred to as the "Application";

AND WHEREAS, THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, hereinafter referred to as the "Assignee", whose full post office address is Banting Institute, 100 College Street, Suite 413, Toronto, Ontario M5G 1L5, Canada, has acquired from the Assignors, the Assignors' entire right, title and interest in and to the invention, in all countries of the world, including the Assignors' rights to the Application, and all related applications and patents thereon, including any and all, international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Application, and to all related applications and patents thereon filed by the Assignors or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of any right of

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priority provided by any convention or treaty under domestic or foreign law, and to invoke and claim any

such right of priority without further written or oral authorization from the Assignors;

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, the Assignors confirm it has,

as of July 17th, 2014, sold, assigned, transferred and set over, and for greater certainty, does hereby sell,

assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, its entire

right, fittle and interest for Canada, the United States and all other countries throughout the World in and to

the Invention, together with its entire right, title and interest in and to the Applications and any and all

Letters Patent that may issue for the Invention, including any and all divisions, reissues, continuations and

extensions of the Applications, to the full end of the term for which each said Letters Patent may be

granted, and including any right to claim priority based on the Applications, the same to be held and

enjoyed as fully and completely as the same would have been held and enjoyed by the Assignors had this

Assignment not been made;

The Assignors hereby confirm that the Application was made or was authorized to be made by

himself or herself and that the Assignors believe himself or herself to be the original inventor or joint

inventor of a claimed invention in the Application.

AND the Assignors, on behalf of itself and its executors and administrators, does hereby covenant

and agree to do all such lawful acts and things and to execute without further consideration such further

lawful assignments, documents, assurances, applications and other instruments as may reasonably be

required by the Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters

Patent for the Invention and vest the same in the Assignee, its successors, assigns, or legal

representatives.

The Assignors authorize and empower SMART & BIGGAR, whose complete address is 55

Metcalfe Street Suite 900, PO Box 2999 Station D. Ottawa Ontario K1P 5Y6, Canada to insert on this

Assignment any further identification, to prepare any translation which may be necessary or desirable in

order to comply with the rules for recordation of this document in any country and to correct any clerical error

in this assignment.

The Commissioner of Patents & Trademarks is hereby authorized and requested to issue any Letters

Patent for the Application, and all related applications thereon, to the Assignee, for its sole use and

benefit; and for the use and benefit of its successors and assigns, to the full end of the term for which

PATENT

REEL: 042178 FRAME: 0579

Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

The Assignors hereby acknowledge 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 Toyon to	(city), <u>Canada</u>	_(country).
	Witness	
Olivier Trescases	Elizabeth Thorokan	
Name 4	Name Rabeth F	
Signature	Signature /	***************************************
April 24/2017	April 24, 2017	
Dale	Date	***********************
EXECUTED at	_(city),	_(country).
	Witness	
Shahab Poshtkouhi		
Name	Name	

Signature	Signature	

PATENT REEL: 042178 FRAME: 0580 Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

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EXECUTED at To you to	(oity), <u>Canada</u>	(country)
	Witness	
Olivier Trescases		
Name	Name	amainin arta ara ara ara ara ara ara ara ara ar
Signature	Signature	
Date	Date	nancon de la constitución de la
EXECUTED at	(city),	(country)
	Witness	
Shahab Poshtkouhi	Elizabeth Thay	alcau
Name	Namo Lhabelt	A
Signature	Signature	and the second s
April 24, 2017	April 24,	2017
ale /	Dala	AND THE PERSON AND T

ACKNOWLEDGEMENT

The Assignee hereby accepts the assignment. EXECUTED at 1110010	(city),
<i>Can a d.a.</i> (country).	
This 19 A day of	
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	
O-Traver	
Signature	
Jennifer Fraser, MSc, MBA Oredor, Innovelions & Parinerships	
Name	
Title	
1:10.0	
DECLARATION OF WITNESS	
l, <u>\$11ia 5ma \$1.</u> , whose full post office address is	
VIC CAN DU CHERT INSTRUCTED CHERT IN SECOND PROCESSION OF THE CONTROL OF THE CONT	
declare that I was personally present and did see	
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO who is personally kn	nown to me to be
the person named in the above assignment duly sign and execute the same.	
Declared at Tokonto (city), Canada (country).	
This 19 day of 1801.	
Similar San	
Signature of Witness:	

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RECORDED: 04/28/2017