

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6130324

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	5	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ROBERTO MORANDOTTI	12/05/2017
<b>RECEIVING PARTY DATA</b>		
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16768667
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<b>SIGNATURE:</b>	/GWENDOLINE BRUNEAU/	
<b>DATE SIGNED:</b>	05/30/2020	
<b>Total Attachments: 2</b>		
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## ASSIGNMENT

WHEREAS I, the undersigned, Roberto Morandotti, professor at INRS-Énergie Matériaux Télécommunications Centre (hereinafter referred to as the "Assignor"), residing at 801 Sherbrooke Est Street, Montreal, Quebec, H2L 0B7, Canada, have, with others, made a certain invention known as "Method and system for the generation and control of high-dimensional multi-partite quantum states" (hereinafter referred to as the "Invention");

WHEREAS INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, whose full post office address is  
490 rue de la Couronne, Quebec City, Quebec, G1K 9A9, Canada,

(hereinafter referred to as the "Assignee") is desirous of acquiring the entire right, title, and interest that I hold in and to said Invention, in and to any patent applications which may be filed in any and all countries in the world on said Invention, including divisional applications and continuation applications on the Invention and including any patent applications on the Invention in any foreign country under the provisions of the International Convention (hereinafter collectively the "Applications") and in and to any and all patents on the Invention obtained in any country in the world;

I hereby authorize and request my patent agent to insert missing information regarding any application covering the same invention when known here in parentheses (Country US, Application number 62/591,825, filed November 29, 2017;  
Country WO, Application number PCT/CA2018/051512 filed on November 28, 2018);

NOW THEREFORE, in return for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged

- I the Assignor, do hereby confirm any assignment already made by me in favour of INRS in and to the Invention, its constituent parts, any Applications, and any patents on the Invention which may be obtained;
- And for more certainty I, the Assignor, do hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, my entire right, title, and interest which I hold in and to said Invention, in any form or embodiment thereof, and in and to the above-described Applications; also the entire right, title and interest in and to any patent on the Invention and any reissue of a patent on the Invention. I hereby authorize and request the issuing authority to issue and deliver any and all patents on the foregoing including on said Applications in any and all countries, to said Assignee; the same to be held and enjoyed by the Assignee for its own use and behalf, and for the use and behalf of its successors and assigns, to the full end of the term or terms for which said patents may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made, as the assignee of my entire right, title and interest therein, in accordance with this assignment;

IN ADDITION I hereby agree that upon request, and without any payment by said Assignee, other than the expenses incurred by the undersigned, to communicate to said Assignee its successors and its assigns, their respective representatives and agents any facts known to me respecting the foregoing including any facts respecting said Invention, including evidence for interference purposes or for

other proceedings, whenever requested; testify in any interference, litigation, or other proceedings, sign and deliver, on request, all lawful papers necessary or useful to vest or perfect the title of the Assignee, its successors and assigns relating to the foregoing including relating to the Invention, the Applications and the aforementioned patents, or necessary or useful to make any of the foregoing provisions effective, make all rightful oaths and generally aid the Assignee, its successors, assigns, and their respective representatives and agents to obtain and enforce proper patent protect for said Invention in all countries and likewise make these provisions binding upon my heirs, legal representatives, administrators and assigns,

Tel que convenu par le Cessionnaire et le Cédant, cette cession a été rédigée en anglais. As agreed by both the Assignee and the Assignor, this assignment has been drawn up in English.

These presents shall be governed by and construed in accordance with the applicable laws of the Province of Quebec and the laws of Canada applicable therein and the forum in relation to same shall be Quebec, Quebec, Canada.

SIGNED in triplicate at MONTREAL QC CANADA  
(City) (Province / State) (Country)

this 5 day of December, 2017  
(Day) (Month) (Year) (The Assignor fills these blanks with the appropriate information as to the place and date of the Assignor's signature)

By the Assignor:

Witness of Assignor's signature:

R. MORANDI  
(Signature of Assignor)

[Signature]  
(Signature of witness of Assignor's signature)

ROBERTO MORANDI  
(Name of Assignor in printed letters)

YANN JESTIN  
(Name of witness in printed letters)

Acknowledged and accepted at Quebec City, Province of Quebec, Canada

By Institut national de la recherche scientifique:

Josée Charest  
Mrs Josée Charest, Director  
Research and Technology Transfer Department

11 dec. 2017  
Date

Witness of INRS representative's signature:

[Signature]  
(Signature)

11 dec. 2017  
Date

GUÉLÉVE COURTOIS