

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4916586

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JASON ROLFE	03/16/2017
MOHAMMAD H.S. AMIN	03/17/2017
EVGENY ANDRIYASH	03/17/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	D-WAVE SYSTEMS INC.
<b>Street Address:</b>	3033 BETA AVENUE
<b>City:</b>	BURNABY
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	V5G 4M9
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15766755
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)682-6031
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<b>ATTORNEY DOCKET NUMBER:</b>	240105.565USPC
<b>NAME OF SUBMITTER:</b>	FRANK ABRAMONTE
<b>SIGNATURE:</b>	/Frank Abramonte/
<b>DATE SIGNED:</b>	04/16/2018
<b>Total Attachments: 3</b>	
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source=240105.565USPC_Assignment#page2.tif	
source=240105.565USPC_Assignment#page3.tif	

ASSIGNMENT

WHEREAS, we, Jason Rolfe, Mohammad H. S. Amin and Evgeny Andriyash (hereinafter referred to as ASSIGNORS), each having a post office address of 3033 Beta Avenue, Burnaby, British Columbia, Canada V5G 4M9; are the listed inventors/applicants of the international patent application entitled " SYSTEMS AND METHODS FOR CREATING AND USING QUANTUM BOLTZMANN MACHINES," for which an application was filed on October 14, 2016 with the U.S. Receiving Office of the PCT and assigned Application No. PCT/US2016/057208;

WHEREAS, D-Wave Systems Inc. (hereinafter referred to as ASSIGNEE), a Canadian corporation having a place of business at 3033 Beta Avenue, Burnaby, British Columbia, Canada V5G 4M9, is desirous of acquiring the entire right, title and interest in and to the international application and in and to any letters patent(s) that claim the priority benefit of the international patent application in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters

patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

16/3/2017  
Date

Jason Rolfe  
Jason Rolfe

City of Burnaby )  
 ) ss.  
Province of British Columbia )

I certify that I know or have satisfactory evidence that Jason Rolfe signed this instrument of his/her own free will as a voluntary act for the uses and purposes mentioned in the instrument.

Date March 16, 2017  
(Type or Print)

Kimberly Domino  
(Type or Print Name of Witness)

Signed at Burnaby, BC

[Signature]  
(Signature of Witness)

March 17, 2017  
Date

M. Amin  
Mohammad H. S. Amin

City of Burnaby )  
 ) ss.  
Province of BC )

I certify that I know or have satisfactory evidence that Mohammad H. S. Amin signed this instrument of his/her own free will as a voluntary act for the uses and purposes mentioned in the instrument.


Date March 17, 2017  
(Type or Print)

Kimberly Domino  
(Type or Print Name of Witness)

Signed at Burnaby, BC

[Signature]  
(Signature of Witness)

Mar 17, 2017  
Date

  
Evgeny Andriyash

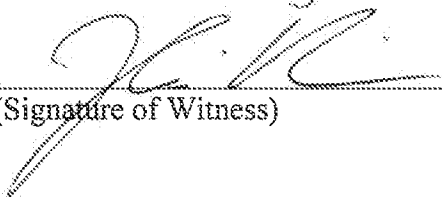
City of Burnaby )  
Province of BC ) ss.

I certify that I know or have satisfactory evidence that Evgeny Andriyash signed this instrument of his/her own free will as a voluntary act for the uses and purposes mentioned in the instrument.

Date March 17, 2017  
(Type or Print)

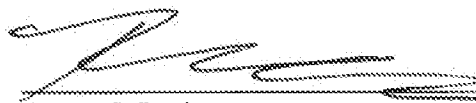
Signed at Burnaby, BC

Kimberly Domino  
(Type or Print Name of Witness)

  
(Signature of Witness)

**D-Wave Systems Inc.**

5 April 2017  
Date

  
Tanya J. Rothe,  
General Counsel

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