PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES A. KING	11/27/2019
WILLIAM W. BERNOUDY	11/22/2019
KELLY T.R. BOOTHBY	11/25/2019
PAU FARRÉ PÉREZ	11/20/2019

RECEIVING PARTY DATA

Name:	D-WAVE SYSTEMS, INC.
Street Address:	3033 BETA AVENUE
City:	BURNABY
State/Country:	CANADA
Postal Code:	V5G 4M9

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16741208

CORRESPONDENCE DATA

Fax Number: (206)621-8783

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.

Phone: 2063401000

Email:gdunn@cozen.comCorrespondent Name:FRANK ABRAMONTEAddress Line 1:999 THIRD AVENUE

Address Line 2: SUITE 1900

Address Line 4: SEATTLE, WASHINGTON 98104

ATTORNEY DOCKET NUMBER:	240105.618/471314	
NAME OF SUBMITTER:	FRANK ABRAMONTE	
SIGNATURE:	/Frank Abramonte/	
DATE SIGNED:	08/09/2021	

Total Attachments: 4

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PATENT REEL: 057125 FRAME: 0106

ASSIGNMENT

WHEREAS, we,

Name	Address	
James A. King	3033 Beta Avenue, Burnaby, BC V5G 4M9 CANADA	ţ
William W. Bernoudy	3033 Beta Avenue, Burnaby, BC V5G 4M9 CANADA	2
Kelly T. R. Boothby	3033 Beta Avenue, Burnaby, BC V5G 4M9 CANADA	; and
Pau Farré Pérez	3033 Beta Avenue, Burnaby, BC V5G 4M9 CANADA	

(hereinafter referred to as ASSIGNORS), having mailing addresses as listed above, are the listed inventors of the provisional patent application entitled "SYSTEMS AND METHODS FOR HYBRID ALGORITHMS USING CLUSTER CONTRACTION," as filed with the U.S. Patent and Trademark Office on June 13, 2019, and assigned Application No. 62/860,972;

WHEREAS.

Corporation Name	Address
D-Wave Systems Inc.	3033 Beta Avenue, Burnaby, BC V5G 4M9 CANADA

(hereinafter referred to as ASSIGNEE), a Canadian corporation having a business address at the address listed above, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said provisional patent application and the invention(s) disclosed therein, and any and all letters patent(s) which claim priority to said provisional application and any and all letters patent(s) which claim the invention(s) disclosed therein and which may be granted 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 provisional application to which said foreign applications are entitled by virtue of

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PATENT REEL: 057125 FRAME: 0107 international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent(s); said invention, provisional application and all letters patent(s) on said invention or claiming priority to said provisional application to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree 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.

Nov 29, 2019

Reserve

DANIES OF NACHINGTON

Janges A. King

SS.

I certify that I know or have satisfactory evidence that James A. King signed this instrument of their own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date Nov 27, 2019 (Type or Print)

GUANG-TONG ZHOU

(Type or Print Name of Witness)

Signed at BolleVU

(Signature of Witness)

November 22, 2019	Willia Bernowle
Date	William W. Bernoudy
City of Burnety) Province of British (olumbia)	\$ \$.
T-1	etory evidence that William W. Bernoudy signed this stary act for the uses and purposes mentioned in the
Date NOV 39, 301°1 (Type or Print)	Signed at Binday, &c.
Ton 1002 (Type or Print Name of Witness)	(Signature of Witness)
Nov 25 2011	LUG-
City of BU/A	Kelly Y. R. Boothby
Province of SC	\$\$.
•	ctory evidence that Kelly T. R. Boothby signed this ntary act for the uses and purposes mentioned in the
Date Nov X ,Q 6 / 9 (Type or Print)	Signed at BUND) &
TIGNI (UJO) (Type or Print Name of Witness)	(Signature of Witness)
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Novemby 2014, 2019 Date	Pau Farré Pérez
City of Birnely (Swapa)	\$S.
	ctory evidence that Pau Farré Pérez signed this ntary act for the uses and purposes mentioned in the
Date NOV 29 2015 (Type or Print)	Signed at Runcha & BC
Tiani loves	
(Type or Print Name of Witness)	(Signature of Witness)
	D-WAVE SYSTEMS INC.
animity animony	granden and the state of the st
Date	(Assignee) (Signatory Signature)
	Tanya J. Rothe, General Counsel (Assignee Signatory Name, Title)

Docket No. 240105.618P3/455841(18075-US-3)

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RECORDED: 08/09/2021

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