

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6925857

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| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ASSIGNEE (REMOVE COMMA) previously recorded on Reel 057081 Frame 0756. Assignor(s) hereby confirms the ASSIGNMENT. |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| JASON T. ROLFE | 10/24/2018 |
| WILLIAM G. MACREADY | 11/05/2018 |
| 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: | 16772094 |
| CORRESPONDENCE DATA | |
| Fax Number: | (206)621-8783 |
| <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: | 2063401000 |
| Email: | gdunn@cozen.com |
| Correspondent Name: | FRANK ABRAMONTE |
| Address Line 1: | 999 THIRD AVENUE |
| Address Line 2: | SUITE 1900 |
| Address Line 4: | SEATTLE, WASHINGTON 98104 |
| ATTORNEY DOCKET NUMBER: | 240105.591USPC/481295 |
| NAME OF SUBMITTER: | FRANK ABRAMONTE |
| SIGNATURE: | /Frank Abramonte/ |
| DATE SIGNED: | 09/20/2021 |
| Total Attachments: 6 | |
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Electronic Version v1.1
 Stylesheet Version v1.2

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|---|---------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JASON T. ROLFE | 10/24/2018 |
| WILLIAM G. MACREADY | 11/05/2018 |
| 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 | |
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| Address Line 1: | 999 THIRD AVENUE |
| Address Line 2: | SUITE 1900 |
| Address Line 4: | SEATTLE, WASHINGTON 98104 |
| ATTORNEY DOCKET NUMBER: | 240105.591USPC/481295 |
| NAME OF SUBMITTER: | FRANK ABRAMONTE |
| Signature: | /Frank Abramonte/ |
| Date: | 08/04/2021 |
| Total Attachments: 4 source=591_Assignment from parent#page1.tif | |

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RECEIPT INFORMATION

EPAS ID: PAT6848608
Receipt Date: 08/04/2021

ASSIGNMENT

WHEREAS, we,

| Name | Address | |
|---------------------|--|-------|
| Jason T. Rolfe | 3033 Beta Avenue Burnaby, British Columbia, Canada V5G 4M9 | ; and |
| William G. Macready | 3033 Beta Avenue Burnaby, British Columbia, Canada V5G 4M9 | ; |

(hereinafter referred to as ASSIGNORS), having mailing addresses as listed above, are the listed inventors/applicants of the provisional patent application entitled "SYSTEMS AND METHODS FOR COLLABORATIVE FILTERING WITH VARIATIONAL AUTOENCODERS," as filed with the U.S. Patent and Trademark Office on April 16, 2018, and assigned Application No. 62/658,461;

WHEREAS,

| Corporation Name | Address |
|---------------------|--|
| D-Wave Systems Inc. | 3033 Beta Avenue Burnaby, British Columbia, Canada V5G 4M9 |

(hereinafter referred to as ASSIGNEE), a corporation of Canada 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 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.

10/24/2018
Date

Jason Rolfe (Assignor)
Jason T. Rolfe

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

Oct 24, 2018
Date

Burnaby, BC
Signed at

Tiani Lawes
(Name of Witness)

[Signature]
(Signature of Witness)

Nov 5, 2018
Date

William Macready (Assignor)
William G. Macready

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

Nov 5, 2018
Date

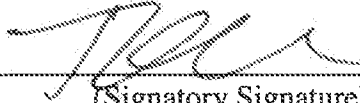
Burnaby, BC
Signed at

Tiani Lawes
(Name of Witness)

[Signature]
(Signature of Witness)

D-WAVE SYSTEMS INC.

Date 7 NOV 2018

 (Assignee)
(Signatory Signature)

Tanya J. Rothe, General Counsel
(Assignee Signatory Name, Title)

Docket No. 240105.591P2 | 6143861_1.DOC