

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7405216

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW J. BERKLEY	01/16/2009
ALEC MAASSEN VAN DEN BRINK	02/23/2006
PETER LOVE	02/22/2006
MOHAMMAD H.S. AMIN	03/03/2006
GEORDIE ROSE	03/06/2006
DAVID GRANT	03/03/2006
MILES F.H. STEININGER	02/23/2006
PAUL BUNYK	03/03/2006
<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: 6</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	9727527
Patent Number:	8008942
Patent Number:	8283943
Patent Number:	8686751
Patent Number:	9069928
Patent Number:	10140248
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	(206) 340-1000
<b>Email:</b>	SClayton@cozen.com
<b>Correspondent Name:</b>	FRANK ABRAMONTE
<b>Address Line 1:</b>	999 THIRD AVENUE

<b>Address Line 2:</b>	SUITE 1900
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104

<b>ATTORNEY DOCKET NUMBER:</b>	240105.448/X
--------------------------------	--------------

<b>NAME OF SUBMITTER:</b>	FRANK ABRAMONTE
---------------------------	-----------------

<b>SIGNATURE:</b>	/Frank Abramonte/
-------------------	-------------------

<b>DATE SIGNED:</b>	06/28/2022
---------------------	------------

**Total Attachments: 4**

source=448\_Family\_Assignment#page1.tif

source=448\_Family\_Assignment#page2.tif

source=448\_Family\_Assignment#page3.tif

source=448\_Family\_Assignment#page4.tif

## ASSIGNMENT

WHEREAS, I, Andrew J. Berkley (hereinafter referred to as ASSIGNOR), having a mailing address of 100-4401 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6G9, am a joint inventor along with Alec Maassen van den Brink, Peter Love, Mohammad H.S. Amin, Geordie Rose, David Grant, Miles F. H. Steininger, and Paul Bunyk of an invention entitled "ANALOG PROCESSOR COMPRISING QUANTUM DEVICES," as described and claimed in the specification for which an application for United States letters patent was filed on December 22, 2005 and assigned Application No. 11/317,838. This application claims the benefit of U.S. Provisional Application No. 60/638,600, filed on December 23, 2004 and Provisional Application No. 60/705,503, filed on August 3, 2005;

WHEREAS, D-Wave Systems, Inc. (hereinafter referred to as ASSIGNEE), a Canadian corporation having a place of business at 100 - 4401 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6G9, 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, in exchange for good and valuable consideration, the receipt of which is 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, and in any and all divisions, reissues and continuations thereof, 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 its 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 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-JAN-09  
Date

Andrew J. Berkley  
Andrew J. Berkley

City of Burnaby )  
Province of BC )

ss.

I certify that I know or have satisfactory evidence that Andrew J. Berkley is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 16 JAN 09

Signature of  
Notary Public T. Potte

Printed Name T. Potte

My appointment does not expire.

1309060\_1.DOC  
(240105.448)

## ASSIGNMENT

WHEREAS, WE, ALEC MAASSEN VAN DEN BRINK, PETER LOVE, MOHAMMAD H.S. AMIN, GEORDIE ROSE, DAVID GRANT, MILES F.H. STEININGER AND PAUL BUNYK, ASSIGNORS, respectively citizens of the Netherlands, The United Kingdom, Canada, Canada, Canada, Canada, Canada and Russia, respectively residing at 947 Sperling Avenue, Burnaby, British Columbia, Canada V5B 4H7; #403-27 Alexander Street, Vancouver, British Columbia, Canada V6A 1B2; #401-2929 W. 4th Avenue, Vancouver, British Columbia Canada V6K 1R3; #301-2288 West 12th Avenue, Vancouver, British Columbia, Canada V6K 4R2; 308-2490 Stephens Street, Vancouver, British Columbia, Canada V6K 3W9; #5-8749 Fremlin Street, Vancouver, British Columbia, Canada V6P 3X5; and 902-1331 Homer Street, Vancouver, British Columbia, Canada V6B 5M5, are the inventors of the invention in ANALOG PROCESSOR COMPRISING QUANTUM DEVICES for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
- ☒ which is identified by Jones Day docket no. 706700-999203
- ☒ which was filed on December 22, 2005, Application No. 11/317,838
- ☐ We hereby authorize and request attorney(s), , at Jones Day, , to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_) the filing date and application number of said application when known.

and WHEREAS, D-WAVE SYSTEMS, INC., a Canadian corporation having a place of business at 4401 Still Creek Drive, Unit 100, Burnaby, British Columbia V5C 6G9, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 23 Feb, 2006 Alec Maassen van den Brink L.S.

Witnessed by: Jerome D. Isthon  
Signature A. MAASSEN VAN DEN BRINK  
Printed Name

Date 02/22/2006, 2006 Peter Love L.S.

Witnessed by: TANYA J. ROSE  
Signature PETER LOVE  
Printed Name

Date Mar. 3, 2006 Mohammad H.S. Amin L.S.

Witnessed by: TANYA ROTH  
Signature TANYA ROTH  
Printed Name

CAJD:520630.1

Date MARCH 6, 2006

Witnessed by: [Signature]  
Signature

Date March 3, 2006

Witnessed by: [Signature]  
Signature

Date Feb. 23, 2006

Witnessed by: [Signature]  
Signature

Date Mar. 03, 2006, 2006

Witnessed by: [Signature]  
Signature

[Signature]  
Geordie Rose L.S.

Printed Name ~~Geordie~~ TANYA ROTHE

[Signature]  
David Grant L.S.

Printed Name TANYA ROTHE

[Signature]  
Miles F. H. Steininger L.S.

Printed Name TANYA J ROTHE

[Signature]  
Paul Bunyk L.S.

Printed Name TANYA J ROTHE