

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM424080

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
SEQUENCE:	1		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Alpha Quant Advisors, LLC		04/13/2017	Limited Liability Company: DELAWARE
RECEIVING PARTY DATA			
Name:	Royal Bank of Canada, as Collateral Agent		
Street Address:	20 King Street West, 4th Floor		
City:	Toronto		
State/Country:	CANADA		
Postal Code:	M5H 1C4		
Entity Type:	Bank: CANADA		
PROPERTY NUMBERS Total: 1			
Property Type	Number	Word Mark	
Registration Number:	4692242	SMARTALPHA	
CORRESPONDENCE DATA			
Fax Number:	2123037064		
<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:	212.318.6824		
Email:	christinedionne@paulhastings.com		
Correspondent Name:	Christine Dionne c/o Paul Hastings LLP		
Address Line 1:	200 Park Avenue, 28th Floor		
Address Line 4:	New York, NEW YORK 10166		
ATTORNEY DOCKET NUMBER:	78436.00171		
NAME OF SUBMITTER:	Christine Dionne		
SIGNATURE:	/Christine Dionne/		
DATE SIGNED:	04/18/2017		
Total Attachments: 5			
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FIRST LIEN NOTICE AND CONFIRMATION OF GRANT OF
SECURITY INTEREST IN TRADEMARKS

FIRST LIEN NOTICE AND CONFIRMATION OF GRANT OF SECURITY INTEREST IN TRADEMARKS (the "Agreement"), dated as of April 13, 2017, made by ALPHA QUANT ADVISORS, LLC, a Delaware limited liability company having a principal place of business at 220 E Las Colinas Blvd #1200, Irving, TX 75039 (the "Grantor"), in favor of ROYAL BANK OF CANADA, having a principal place of business at 20 King Street West, 4th Floor, Toronto, Ontario M5H 1C4 (in such capacity, the "Collateral Agent"), as administrative agent for the banks and other financial institutions (collectively, the "Lenders") from time to time parties to the First Lien Credit Agreement (as defined below) and as collateral agent for the Secured Parties (as defined in the First Lien Credit Agreement). Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the First Lien Credit Agreement and the First Lien Guarantee and Collateral Agreement (as defined below), as applicable.

WHEREAS, pursuant to that certain First Lien Credit Agreement, dated as of April 30, 2015 (as amended, supplemented or otherwise modified from time to time, the "First Lien Credit Agreement"), among Resolute Investment Managers, Inc. (f/k/a Astro AB Borrower, Inc.), a Delaware corporation (the "Borrower"), the Collateral Agent and the Lenders, the Lenders have severally agreed to make Loans and other extensions of credit (collectively, the "Loans") to the Borrower upon the terms and subject to the conditions set forth therein;

WHEREAS, in connection with the First Lien Credit Agreement, the Borrower, certain of its Domestic Subsidiaries and Resolute Acquisition, Inc. (f/k/a Astro AB Acquisition, Inc.), a Delaware corporation, have executed and delivered a First Lien Guarantee and Collateral Agreement, dated as April 30, 2015 (as amended, supplemented or otherwise modified from time to time, the "First Lien Guarantee and Collateral Agreement"), in favor of the Collateral Agent;

WHEREAS, in connection with that certain Assumption Agreement, dated as of April 13, 2017, among the Grantor, the other Additional Granting Parties (as defined therein) party thereto and the Collateral Agent, the Grantor became party to the First Lien Guarantee and Collateral Agreement;

WHEREAS, pursuant to the First Lien Guarantee and Collateral Agreement, the Grantor granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in all of its Intellectual Property, including the Trademarks; and

WHEREAS, the Grantor has duly authorized the execution, delivery and performance of this Agreement;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and in order to induce the Lenders to make the Loans and other financial accommodations to the Borrower pursuant to the First Lien Credit Agreement, the Grantor agrees, for the benefit of the Secured Parties, as follows:

SECTION 1. Confirmation of Grant of Security Interest. The Grantor hereby confirms that, subject to existing licenses to use the Trademarks granted by the Grantor in the ordinary course of its business, pursuant to the First Lien Guarantee and Collateral Agreement it granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in all of the Trademarks of the Grantor (including, without limitation, those items listed opposite the Grantor's name on Schedule I hereto) and to the extent not otherwise included, all Proceeds and products of any and all of the Trademarks, as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Obligations of the Borrower, except that no security interest is or will be granted pursuant hereto in any right, title or interest of the Grantor under or in any Trademark License for so long as, and to the extent that, the granting of such a security interest pursuant hereto would result in a breach, default or termination of such Trademark License.

SECTION 2. Purpose. This Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest with the United States Patent and Trademark Office. This Agreement is expressly subject to the terms and conditions of the First Lien Guarantee and Collateral Agreement. The First Lien Guarantee and Collateral Agreement (and all rights and remedies of the Secured Parties thereunder) shall remain in full force and effect in accordance with its terms.

SECTION 3. Acknowledgment. The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Secured Parties with respect to the security interest in the Trademarks are more fully set forth in the First Lien Credit Agreement and the First Lien Guarantee and Collateral Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of a conflict between this Agreement and the First Lien Guarantee and Collateral Agreement, the provisions of the First Lien Guarantee and Collateral Agreement shall prevail.


SECTION 4. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same instrument.

* * *

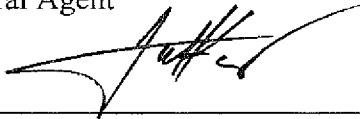
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IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

ALPHA QUANT ADVISORS, LLC

By: 
Name: Gene L. Needles, Jr.
Title: President and Chief Executive Officer

ROYAL BANK OF CANADA,
as Collateral Agent

By: 
Name: Rodica Dutka
Title: Manager, Agency

SCHEDULE I

TRADEMARK REGISTRATIONS AND APPLICATIONS

Owner	Mark	Serial Number	Registration Number
Alpha Quant Advisors, LLC	SmartALPHA	86340182	4692242