

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8171023

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
ABEL NOSER SOLUTIONS, L.L.C.	09/08/2023
RECEIVING PARTY DATA	
Name:	JPMORGAN CHASE BANK, N.A.
Street Address:	10 SOUTH DEARBORN, FLOOR L2 IL1-1145
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60603
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	7739170
Patent Number:	8489490
CORRESPONDENCE DATA	
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<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>	
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Address Line 1:	10 ST. JAMES AVENUE
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ATTORNEY DOCKET NUMBER:	088499.01602
NAME OF SUBMITTER:	SUSAN C. DINICOLA
SIGNATURE:	/Susan C. DiNicola/
DATE SIGNED:	09/15/2023
Total Attachments: 5	
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PATENT SECURITY AGREEMENT

Patent Security Agreement, dated September 8, 2023 (this “Patent Security Agreement”), by ABEL NOSER SOLUTIONS, L.L.C., a Delaware limited liability company (the “Grantor”), in favor of JPMORGAN CHASE BANK, N.A., in its capacity as administrative agent (the “Administrative Agent”) for the Secured Parties to the Credit Agreement (as defined below).

WITNESSETH:

WHEREAS, the Grantor is party to the Credit Agreement, dated as of November 14, 2022, as amended by that certain First Amendment and Joinder to Credit Agreement and Other Loan Documents, dated as of March 10, 2023, as amended by that certain Second Amendment to Credit Agreement, dated as of June 16, 2023, and as amended by that certain Third Amendment to Credit Agreement, dated as of August 31, 2023 (as so amended and as the same may be further amended, restated, supplemented, or otherwise modified from time to time, the “Credit Agreement”) by and among the Grantor, the other Loan Parties from time to time party thereto, and Administrative Agent, pursuant to which the Grantor is required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Administrative Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Grantor hereby agrees with the Administrative Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Credit Agreement and used herein have the meaning given to them in the Credit Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. The Grantor hereby pledges and grants to the Administrative Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all the Patents, each as defined in the Security Agreement, of the Grantor listed on Schedule I attached hereto, including all goodwill associated with such Patents.

SECTION 3. The Credit Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Credit Agreement and the Security Agreement, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Credit Agreement and the Security Agreement, the terms of which are incorporated herein by reference. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Credit Agreement or Security Agreement, the provisions of the Credit Agreement and Security Agreement shall control.

SECTION 4. Termination. Upon the termination of the Credit Agreement in accordance with Section 10.08 thereof, the Administrative Agent shall, at the expense of the Grantor, execute, acknowledge, and deliver to the Grantor an instrument in writing in recordable form releasing the lien on and security interest in the Patents under this Patent Security Agreement.

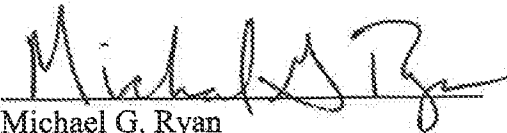
SECTION 5. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts. Delivery by facsimile or other electronic communication of an executed counterpart of a signature page to this Patent Security Agreement shall be effective as delivery of an original executed counterpart of this Patent Security Agreement.

SECTION 6. Governing Law. The terms of Sections 9.09 and 9.10 of the Credit Agreement with respect to governing law, submission of jurisdiction, venue and waiver of jury trial are incorporated herein by reference, *mutatis mutandis*, and the parties hereto agree to such terms.

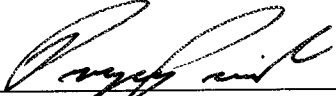
[Signature pages follow]

ABEL NOSER SOLUTIONS, L.L.C.,
as Grantor

By: Trading Technologies International, Inc., its
sole member

By: 
Name: Michael G. Ryan
Title: Chief Legal Officer

JPMORGAN CHASE BANK, N.A.,
as Administrative Agent

By: 
Name: Prayag Parikh
Title: Authorized Officer

**Schedule I
PATENTS**

Patent Number	Title	Registration Date
7739170	Systems and methods for analysis of portfolio returns and trade cost measurement based on fiduciary roles	June 15, 2010
8489490	Systems and methods for analysis of portfolio returns and trade cost measurement based on fiduciary roles	July 16, 2013