

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5369967

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CAMERON HOWARD WINKLEVOSS	02/25/2015
TYLER HOWARD WINKLEVOSS	02/25/2015
EVAN LOUIS GREEBEL	02/25/2015
MICHAEL BREU	02/25/2015
ERIC WINER	02/25/2015
CLAUDIA CALLAWAY	03/02/2015
CHRISTINA J. GRIGORIAN	02/26/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WINKLEVOSS IP, LLC
<b>Street Address:</b>	FARMERS BANK BUILDING
<b>Internal Address:</b>	301 N. MARKET STREET, SUITE 1463
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19801
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16272539
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)336-8001
<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>	2123368000
<b>Email:</b>	ptodocket@arelaw.com, vgilmore@arelaw.com
<b>Correspondent Name:</b>	AMSTER, ROTHSTEIN & EBENSTEIN LLP
<b>Address Line 1:</b>	90 PARK AVENUE
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10016
<b>ATTORNEY DOCKET NUMBER:</b>	95905-0160
<b>NAME OF SUBMITTER:</b>	KEITH J. BARKAUS
<b>SIGNATURE:</b>	/Keith J. Barkaus/

<b>DATE SIGNED:</b>	02/11/2019
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**Total Attachments: 7**

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ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS:

(1) Full Name of Inventor: Cameron Howard Winklevoss  
Residence: New York, New York, US  
Citizenship: US

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(2) Full Name of Inventor: Tyler Howard Winklevoss  
Residence: New York, New York, US  
Citizenship: US

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(3) Full Name of Inventor: Evan Louis Greebel  
Residence: 25 Penn Blvd. Scarsdale, NY 10583, US  
Citizenship: US

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(4) Full Name of Inventor: Michael Breu  
Residence: 12 W. 118<sup>th</sup> St., Apt. 9E, New York, NY 10011, US  
Citizenship: US

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(5) Full Name of Inventor: Eric Winer  
Residence: 206 1<sup>st</sup> Ave., Apt. 1A, New York, NY 10009, US  
Citizenship: US

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(6) Full Name of Inventor: Claudia Callaway  
Residence: 5100 Cathedral Ave. NW, Washington, DC 20016, US  
Citizenship: US

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(7) Full Name of Inventor: Christina J. Grigorian  
Residence: 6016 Namakagan Rd., Bethesda, MD 20816, US  
Citizenship: US

hereby sell, assign, and transfer to ASSIGNEE:

WINKLEVOSS IP, LLC  
Farmers Bank Building  
301 N. Market Street, Suite 1463  
Wilmington, DE 19801  
US

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest for the United States and its territorial possessions, and in all foreign countries and regions, including all rights to claim priority, in and to the invention entitled:

**SYSTEMS, METHODS, AND PROGRAM PRODUCTS FOR A DIGITAL MATH-BASED  
ASSET EXCHANGE**

that was invented by ASSIGNORS, and which was filed as U.S. Patent Application Serial No. 14/611,136 in the U.S. Patent and Trademark Office on January 30, 2015, which claims priority to U.S. Provisional Application No. 61/989,047, filed on May 6, 2014, U.S. Provisional Application No. 61/986,685, filed on April 30, 2014, U.S. Provisional Application No. 61/978,724, filed on April 11, 2014, U.S. Provisional Application No. 61/971,981, filed on March 28, 2014, U.S. Provisional Application No. 61/955,017, filed on March 18, 2014, U.S. Provisional Application No. 61/933,428, filed on January 30, 2014, and which also claims priority as a continuation-in-part to U.S. Patent Application Serial No. 14/320,900, filed on July 1, 2014, which in turn claims priority as a continuation-in-part to U.S. Serial No. 14/318,456, filed on June 27, 2014, which in turn claims priority to U.S. Serial No. 61/989,047, filed on May 6, 2014, U.S. Serial No. 61/986,685, filed on April 30, 2014, U.S. Serial No. 61/978,724, filed on April 11, 2014, U.S. Serial No. 61/971,981, filed on March 28, 2014, U.S. Serial No. 61/955,017, filed on March 18, 2014, U.S. Serial No. 61/933,428, filed on January 30, 2014, U.S. Serial No. 61/920,534, filed on December 24, 2013, U.S. Serial No. 61/903,245, filed on November 12, 2013, U.S. Serial No. 61/900,191, filed on November 5, 2013, U.S. Serial No. 61/891,294, filed on October 15, 2013, U.S. Serial No. 61/857,691, filed on July 23, 2013, U.S. Serial No. 61/857,141, filed on July 22, 2013, U.S. Serial No. 61/856,323, filed on July 19, 2013, U.S. Serial No. 61/841,760, filed on July 1, 2013, and U.S. Serial No. 61/841,177, filed on June 28, 2013, and any legal equivalent thereof in any foreign country or region, including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above

application, or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, any reissue or reexamination or other post grant proceedings thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been, or will be, made or entered into which would conflict with this Assignment.

ASSIGNORS authorize ASSIGNEE to make applications for, and to receive, Letters Patent for said invention in any of said countries or regions, in ASSIGNEE'S name, or in ASSIGNORS' names, at ASSIGNEE'S election.

ASSIGNORS covenant and agree to execute or procure any further necessary assurance of the title to said invention, and any Letters Patent which may issue therefore, and to, at any time, upon the request and at the expense of ASSIGNEE, deliver any testimony in any interference, derivation proceeding, litigation, or proceeding related thereto, and to execute all papers that may be necessary or desirable to perfect the title to said invention, or any Letters Patent which may be granted therefore in ASSIGNEE, its successors, assigns, or other legal representatives, and to, at any time, upon the request and at the expense of ASSIGNEE, execute any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and, as to Letters Patent, any reissue or reexamination or other post grant proceeding thereof, or any other additional applications for Letters Patent for said invention or any part thereof, in any of said countries or regions, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States of America for said invention, resulting from the aforesaid application, to WINKLEVOSS IP, LLC as their ASSIGNEE.

IN WITNESS WHEREOF, intending to be legally bound, ASSIGNORS have executed this ASSIGNMENT OF INVENTION.

[signature pages follow]

WITNESS my hand and seal on:

Cameron Howard Winklevoss  
Cameron Howard Winklevoss

\_\_\_\_\_  
Date

State of New York        }  
                                      } ss.  
County of New York        }

On this 25<sup>th</sup> day of February, 2015, before me came Cameron Howard Winklevoss to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he has executed the same.

JACQUELINE PLANAS  
Notary Public, State of New York  
No. 01PL6240430  
Qualified in New York County  
Commission Expires April 28, 2015

Notary Public  
\_\_\_\_\_  
Notary Public

Tyler Howard Winklevoss  
Tyler Howard Winklevoss


\_\_\_\_\_  
Date

State of New York        }  
                                      } ss.  
County of New York        }

On this 25<sup>th</sup> day of February, 2015, before me came Tyler Howard Winklevoss to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he has executed the same.

JACQUELINE PLANAS  
Notary Public, State of New York  
No. 01PL6240430  
Qualified in New York County  
Commission Expires April 28, 2015

Notary Public  
\_\_\_\_\_  
Notary Public

  
Evan Louis Greebel


February 25, 2015  
Date

State of New York            }  
  } ss.  
County of New York         }

On this 25<sup>th</sup> day of February, 2015, before me came Evan Louis Greebel to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he has executed the same.

  
Notary Public

**JENNA BASS LEVY**  
Notary Public, State of New York  
No. 02LE6284640  
Qualified in New York County  
Commission Expires 6/17/2017

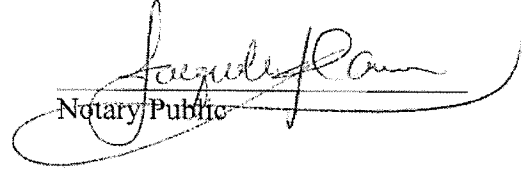
  
\_\_\_\_\_  
Michael Breu

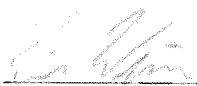
25 FEB 2015  
\_\_\_\_\_  
Date

State of New York        }  
                                  } ss.  
County of New York        }

On this 25<sup>th</sup> day of February, 2015, before me came Michael Breu to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he has executed the same.

JACQUELINE PLANAS  
Notary Public, State of New York  
No. 01PL6240430  
Qualified in New York County  
Commission Expires April 28, 2015

  
\_\_\_\_\_  
Notary Public

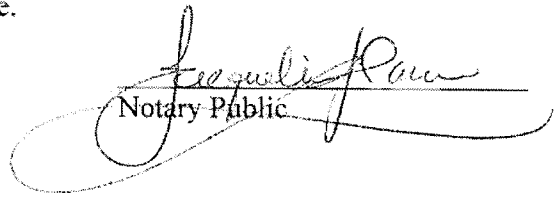
  
\_\_\_\_\_  
Eric Winer

2/25/15  
\_\_\_\_\_  
Date

State of New York        }  
                                  } ss.  
County of New York        }

On this 25<sup>th</sup> day of February, 2015, before me came Eric Winer to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he has executed the same.

JACQUELINE PLANAS  
Notary Public, State of New York  
No. 01PL6240430  
Qualified in New York County  
Commission Expires April 28, 2015

  
\_\_\_\_\_  
Notary Public



*[Handwritten Signature]*

Claudia Callaway

Date

3/2/15

*City of Washington*  
State of New York }  
*District of Columbia* } ss.  
County of New York }



On this 2 day of February, 2015, before me came Claudia Callaway to me known and known to me to be the individual described in, and who executed the foregoing instrument, and she acknowledged to me that she has executed the same.

*[Handwritten Signature]*  
Notary Public

DARLENE W. LATHON  
NOTARY PUBLIC DISTRICT OF COLUMBIA  
My Commission Expires March 31, 2015

*[Handwritten Signature]*  
Christina J. Grigorian

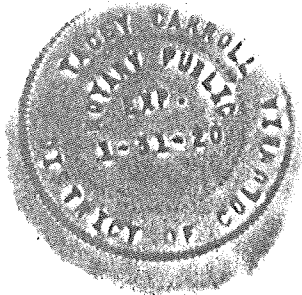
Date

2/26/15

State of New York }  
County of New York } ss.

On this \_\_\_ day of February, 2015, before me came Christina J. Grigorian to me known and known to me to be the individual described in, and who executed the foregoing instrument, and she acknowledged to me that she has executed the same.

*[Handwritten Signature]*  
Notary Public



District of Columbia: SS  
Subscribed and sworn to before me, in my presence,  
this 26<sup>th</sup> day of February, 2015  
*[Handwritten Signature]*  
Stacey Carroll, Notary Public, D.C.  
My commission expires January 31, 2020.