

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2655352

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JOSHUA REICH</td> <td>10/05/2013</td> </tr> <tr> <td>OREN LAADAN</td> <td>09/01/2013</td> </tr> <tr> <td>VISHAL MISRA</td> <td>12/07/2013</td> </tr> <tr> <td>ELIAHU BROSH</td> <td>10/22/2013</td> </tr> <tr> <td>JASON NIEH</td> <td>09/30/2013</td> </tr> <tr> <td>DANIEL STUART RUBENSTEIN</td> <td>09/27/2013</td> </tr> <tr> <td>ALEXANDER SHERMAN</td> <td>12/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	JOSHUA REICH	10/05/2013	OREN LAADAN	09/01/2013	VISHAL MISRA	12/07/2013	ELIAHU BROSH	10/22/2013	JASON NIEH	09/30/2013	DANIEL STUART RUBENSTEIN	09/27/2013	ALEXANDER SHERMAN	12/08/2013
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<table border="1"> <tr> <td>Name:</td> <td>THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK</td> </tr> <tr> <td>Street Address:</td> <td>412 LOW MEMORIAL LIBRARY, 535 WEST 116TH STREET</td> </tr> <tr> <td>City:</td> <td>NEW YORK</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10027</td> </tr> </table>		Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	Street Address:	412 LOW MEMORIAL LIBRARY, 535 WEST 116TH STREET	City:	NEW YORK	State/Country:	NEW YORK	Postal Code:	10027						
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CORRESPONDENCE DATA																	
<p>Fax Number:</p> <p>Phone: 2125098870</p> <p>Email: info@byrnepoh.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: MATTHEW T. BYRNE</p> <p>Address Line 1: 11 BROADWAY, SUITE 1115</p> <p>Address Line 4: NEW YORK, NEW YORK 10004</p>																	
ATTORNEY DOCKET NUMBER:	0315120.271-US3																

OP \$40.00 US2011059662

NAME OF SUBMITTER:	MATTHEW T. BYRNE
Signature:	/Matthew T Byrne/
Date:	12/19/2013

**Total Attachments: 35**

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**ASSIGNMENT**

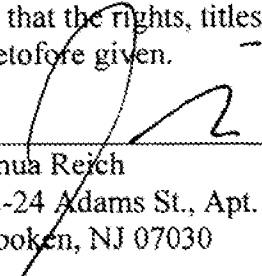
WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 11/7/2011 as International Application Number PCT/US2011/059662 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

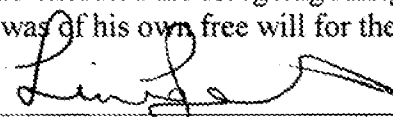
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 5 day of OCT (month), 2011 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

  
\_\_\_\_\_  
Joshua Reich  
722-24 Adams St., Apt. 6  
Hoboken, NJ 07030

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature:   
\_\_\_\_\_

Printed Name: Linda Lantos  
\_\_\_\_\_

Residential Address: 722-24 Adams St. Apt 6 Hoboken, NJ 07030  
\_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Eliahu Brosh  
279 West 117<sup>th</sup> Street, Apt. 7D  
New York, NY 10026

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

App. No.: PCT/US2011/059662  
Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_  
(month), \_\_\_\_\_(year). I represent and warrant that I have full power to make this assignment  
and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right  
heretofore given.

.....  
Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_(year), Alexander Sherman, personally known to me  
to be the same individual who executed the foregoing Assignment, and who acknowledged to me  
that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: .....

Printed Name: .....

Residential Address: .....

**ASSIGNMENT**

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which [a/an] [application] was filed with the United States Patent and Trademark Office on 5/3/2013 as [application number type] 13/883,558 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.



App. No.: 13/883,558  
Filed: 5/3/2013

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Joshua Reich  
542 West 112<sup>th</sup> Street, Apt. 8P  
New York, NY 10025

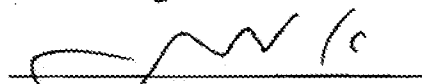
On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 1 day of 9 (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

  
\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this 1 day of 9 (month), 2013 (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: Thabia Ishmail

Printed Name: Thabia Ishmail

Residential Address: 109-40 113 street

App. No.: 13/883,558  
Filed: 5/3/2013

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_(year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_(year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_(year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Eliahu Brosh  
279 West 117<sup>th</sup> Street, Apt. 7D  
New York, NY 10026

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_(year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

App. No.: 13/883,558

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

{00045244-}

PATENT

REF: 021820 FRAME: 0916

App. No.: 13/883,558

Filed: 5/3/2013

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

.....  
Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Alexander Sherman, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: .....

Printed Name: .....

Residential Address: .....

{00045244.}

**ASSIGNMENT**

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 11/7/2011 as International Application Number PCT/US2011/059662 ("the Application").

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Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Joshua Reich  
722-24 Adams St., Apt. 6  
Hoboken, NJ 07030

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

App. No.: PCT/US2011/059662

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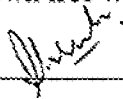
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7th day of December (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.



Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_



Printed Name: \_\_\_\_\_

Shruti Pandey

Residential Address: \_\_\_\_\_

160 Riverside Blvd., Apt 9S New York, NY 10069

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Eliahu Brosh  
272 East 5<sup>th</sup> Street  
Brooklyn, NY 11218

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

App. No.: PCT/US2011/059662

Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

{00045244-}



App. No.: PCT/US2011/059662

Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Alexander Sherman, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

{00045244 }

**ASSIGNMENT**

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 11/7/2011 as International Application Number PCT/US2011/059662 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Joshua Reich  
722-24 Adams St., Apt. 6  
Hoboken, NJ 07030

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023


On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 22 day of October (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

  
\_\_\_\_\_  
Eliahu Brosh  
272 East 5<sup>th</sup> Street  
Brooklyn, NY 11218

On this 22 day of Oct (month), 2013 (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: Stephen Cipolli

Printed Name: Stephen Cipolli

Residential Address: 10 Blue Heron Rd. Newset NY 10954

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Alexander Sherman, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 11/7/2011 as International Application Number PCT/US2011/059662 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Joshua Reich  
722-24 Adams St., Apt. 6  
Hoboken, NJ 07030

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_



IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Eliahu Brosh  
279 West 117<sup>th</sup> Street, Apt. 7D  
New York, NY 10026


On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 30<sup>th</sup> day of Sept (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this 30<sup>th</sup> day of Sept (month), 2013 (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: Belinda Nieh

Printed Name: Belinda Nieh

Residential Address: 2700 Broadway #11B, NY, NY 10025

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

App. No.: PCT/US2011/059662

Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Alexander Sherman, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

ASSIGNMENT

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 11/7/2011 as International Application Number PCT/US2011/059662 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Joshua Reich  
722-24 Adams St., Apt. 6  
Hoboken, NJ 07030

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Elijah Brosh  
279 West 117<sup>th</sup> Street, Apt. 7D  
New York, NY 10026

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 27 day of Sep (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this 27 day of 9 (month), 2013 (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: Gil Bussman

Residential Address: 464 Riverside Drive Apt. #1 New York, NY 10027

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_  
(month), \_\_\_\_\_(year). I represent and warrant that I have full power to make this assignment  
and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right  
heretofore given.

\_\_\_\_\_  
Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_(year), Alexander Sherman, personally known to me  
to be the same individual who executed the foregoing Assignment, and who acknowledged to me  
that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_



ASSIGNMENT

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "METHODS, SYSTEMS, AND MEDIA FOR STORED CONTENT DISTRIBUTION AND ACCESS" ("the Invention") for which a patent application was filed with the United States Patent and Trademark Office on 11/7/2011 as International Application Number PCT/US2011/059662 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

App. No.: PCT/US2011/059662

Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Joshua Reich  
722-24 Adams St., Apt. 6  
Hoboken, NJ 07030

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Joshua Reich, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Oren Laadan  
215 West 88<sup>th</sup> Street, Apt. 2B  
New York, NY 10024

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Oren Laadan, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

{00045244-}

PATENT

REEL: 031820 FRAME: 0869

App. No.: PCT/US2011/059662  
Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

.....  
Vishal Misra  
101 West End Avenue, Apt. 33A  
New York, NY 10023

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

.....  
Eliahu Brosh  
279 West 117<sup>th</sup> Street, Apt. 7D  
New York, NY 10026

On this \_\_\_\_ day of \_\_\_\_ (month), \_\_\_\_ (year), Vishal Misra, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Residential Address: \_\_\_\_\_

{00045244-}

App. No.: PCT/US2011/059662

Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Jason Nieh  
2700 Broadway, Apt. 11B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Jason Nieh, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Residential Address: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

\_\_\_\_\_  
Daniel Stuart Rubenstein  
539 West 112<sup>th</sup> Street, Apt. 6B  
New York, NY 10025

On this \_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year), Daniel Stuart Rubenstein, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

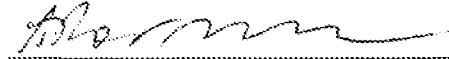
Residential Address: \_\_\_\_\_

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App. No.: PCT/US2011/059662

Filed: 11/7/2011

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 8 day of 12 (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.



Alexander Sherman  
788 Columbus Avenue, Apt. 11A  
New York, NY 10025

On this eight day of December (month), 2013 (year), Alexander Sherman, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: Neil C. Benson

Printed Name: Neil C. Benson

Residential Address: 175 W. 93<sup>rd</sup> St. #9F, NY, NY 10025

(00045244-)

PATENT

RECORDED: 12/19/2012

FEEL - 024820 FRAME: 0872