## PATENT ASSIGNMENT

# Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT				
ATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	DATA				
Name			Execution Date		
Richard Michael Nemes			05/13/2013		
Mikhail Lotvin			05/13/2013		
David Garrod			05/14/2013		
RECEIVING PARTY I	DATA				
Name:	Open Invention Network, LLC				
Street Address:	Research Triangle	Research Triangle Park Center			
Internal Address:	4819 Emperor Blvd., Suite 400				
City:	Durham				
State/Country:	NORTH CAROLINA				
Postal Code:	27703				
Property Type		Number			
Patent Number: 589		393120			
Application Number:	900	10856	0856		
Application Number: 90011		1426			
CORRESPONDENCE	E DATA				
Fax Number:	2142000853				
		when the fax attempt is unsucce	essful.		
Phone:	2146515000				
Email:	theresa.oconnor@haynesboone.com				
Correspondent Name					
Address Line 1:	2323 Victory	Avenue			
Address Line 2: Address Line 4:	Suite 700 Dallas, TEXA	AS 75219			
ATTORNEY DOCKET	NUMBER:				
			PATENT		
		11	<b>FAILINI</b>		

NAME OF SUBMITTER:	J. Andrew Lowes		
Signature:	/J. Andrew Lowes/		
Date:	07/01/2013		
Total Attachments: 6 source=Assignment1#page1.tif source=Assignment1#page2.tif source=Assignment1#page3.tif source=Assignment1#page4.tif source=Assignment1#page5.tif source=Assignment1#page6.tif			

#### ASSIGNMENT

WHEREAS, Richard Michael Nemes, Mikhail Lotvin, and David Garrod (collectively "ASSIGNORS" and individually "ASSIGNOR") collectively own patent rights, as set forth in <u>Attachment 1</u> attached hereto and incorporated herein by this reference ("PATENTS"); and

WHEREAS, Open Invention Network, LLC, a Delaware limited liability company with its principal place of business at Research Triangle Park Center, 4819 Emperor Blvd., Suite 400, Durham, NC 27703 ("ASSIGNEE"), desires to acquire all of the right, title and interest of ASSIGNOR in, to and under the PATENTS;

WHEREAS, ASSIGNORS and ASSIGNEE have entered into a certain Assignment Agreement, dated May 13<sup>th</sup>, 2013, assigning, among other things, all right, title and interest in and to the PATENTS from ASSIGNORS to ASSIGNEE;

**Now, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid by ASSIGNEE to ASSIGNORS, the receipt and sufficiency of which hereby is acknowledged, ASSIGNORS do hereby sell, assign, transfer and convey unto ASSIGNEE the entire right, title and interest in and to the PATENTS, including all divisions, continuations, continuations-in-part, reexaminations, substitutions, reissues, extensions and renewals of the applications and registrations for the PATENTS (and the right to apply for any of the foregoing); all rights to causes of action and remedies related thereto (including, without limitation, the right to sue for past, present or future infringement, misappropriation or violation of rights related to the foregoing); and any and all other rights and interests arising out of, in connection with or in relation to the PATENTS.

For the convenience of the Parties, this assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument. Facsimile or electronically transmitted signatures to this assignment shall be as valid and binding as a signed original.

[signature pages follow]

Bedrock Assignment to OIN

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IN WITNESS WHEREOF, Each ASSIGNOR has caused this Assignment to be duly executed:

**Richard Michael Nemes** 

STATE OF New YORK ) ss. COUNTY OF NASSAU

On May  $\frac{3}{2}$ , 2013, before me, the undersigned notary public in and for said County and State, personally appeared Richard Michael Nemes,

 $\underline{X}$ 

personally known to me [or]

proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies) and that, by his/her signature(s) on the instrument, the person(s) or the entity(ies) upon behalf of which the person(s) acted executed the instrument.

WITNESS my hand and official seal.

ALBERT D RISI Notary Public - State of New York NO. 01RI6264429 Qualified in Nassau County My Commission Expires \_06/05/2016

My commission expires on 5/25/2016

Mikhail Lotvin

STATE OF <u>California</u> COUNTY OF <u>Santa Clara</u>) ss.

On May  $13^{11}$ , 2013, before me, the undersigned notary public in and for said County and State, personally appeared Mikhail Lotvin,

\_\_\_\_\_personally known to me [or]

\_\_\_\_\_ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he she executed the same in his her authorized capacity(ies) and that, by his hersignature(s) on the instrument, the person(s) or the entity(ies) upon behalf of which the person(s) acted executed the instrument.

WITNESS my hand and official seal.

attache to

Shane Hunton (NotaryPublic) See: attached for Notary

My commission expires on

12 25 15

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### **CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California	}
County of Santa Uara	Shane Hunton (Notaryfublic) Here Insert Name and Title of the Officer
On May 13 2013 before me, _	Shane Hunton (NotaryPublic)
	Mikhay Lotvin
personally appeared	Name of Signer(st
<u></u>	
Though the information below is not require	who proved to me on the basis of satisfactory evidence to be the person( <i>s</i> ) whose name( <i>s</i> ) is and subscribed to the within instrument and acknowledged to me that he she/they executed the same in his/her/their authorized capacity( <i>ies</i> ), and that by his/her/their signature(s) on the instrument the person( <i>s</i> ), or the entity upon behalf of which the person( <i>s</i> ) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Signature: Deptional Bignature: Bignature of Notary Public
Description of Attached Document	
Title or Type of Document:	fssignment
Document Date:	Number of Pages: 1 + Sign
Signer(s) Other Than Named Above:	( puges)
Capacity(ies) Claimed by Signer(s) Signer's Name: Mikhau Loty	lin Signaria Nama
Corporate Officer — Title(s):	Signer's Name
	IUMBPRINT Individual RIGHT THUMBPRINT
OF S	SIGNER OF SIGNER
□ Attorney in Fact	□ Attorney in Fact
Guardian or Conservator	Guardian or Conservator
Other:	
	it of the
Signer Is Representing:	Signer Is Representing:
	V

PATENT REEL: 030718 FRAME: 0483

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4/12	, 
David Garrod	_ /
_	

STATE OF ) ss. COUNTY OF MEekens )

On May 4/2, 2013, before me, the undersigned notary public in and for said County and State, personally appeared David Garrod,

\_\_\_\_\_ personally known to me [or]

proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies) and that, by his/her signature(s) on the instrument, the person(s) or the entity(ies) upon behalf of which the person(s) acted executed the instrument.

WITNESS my hand and official seal.

a MECa

My commission expires on

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COMMONWEALTH OF PENNSYLVANIA NOFARIAL SEAL Ida McCoy-Dausuel, Notary Public City of Pittsburgh, Allegheny County My commission expires Juty 06, 2014

### **ATTACHMENT 1**

### PATENTS

Patent/Publication No.	Status	Title	Related Cases
US 5,893,120	Granted	METHODS AND	90/010,856
		APPARATUS FOR	90/011,426
		INFORMATION	
		STORAGE AND	
		RETRIEVAL USING A	
		HASHING TECHNIQUE	
		WITH EXTERNAL	
		CHAINING AND ON-	
		THE-FLY REMOVAL OF	
		EXPIRED DATA	
90/010,856	Reexamination	METHODS AND	US 5,893,120
	Certificate	APPARATUS FOR	
	Issued	INFORMATION	
		STORAGE AND	
		RETRIEVAL USING A	
		HASHING TECHNIQUE	
		WITH EXTERNAL	
		CHAINING AND ON-	
		THE-FLY REMOVAL OF	
		EXPIRED DATA	
90/011,426	Reexamination	METHODS AND	US 5,893,120
	Certificate	APPARATUS FOR	
	Issued	INFORMATION	
		STORAGE AND	
		RETRIEVAL USING A	
		HASHING TECHNIQUE	
		WITH EXTERNAL	
		CHAINING AND ON-	
		THE-FLY REMOVAL OF	
L		EXPIRED DATA	

Rodrock Accignment to OIN

**RECORDED: 07/01/2013** 

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