

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Maksim Yevmenkin	09/09/2011
Christopher Newton	09/09/2011
David Fullagar	09/16/2011
RECEIVING PARTY DATA	
Name:	Level 3 Communications, LLC
Street Address:	1025 Eldorado Blvd.
City:	Broomfield
State/Country:	COLORADO
Postal Code:	80021
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	13224507
PCT Number:	US1150343
CORRESPONDENCE DATA	
Fax Number:	(720)888-5619
Email:	kathleen.mcinnish@level3.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Jonathan C. Siekmann
Address Line 1:	1025 Eldorado Blvd.
Address Line 4:	Broomfield, COLORADO 80021
NAME OF SUBMITTER:	Jonathan C. Siekmann
Total Attachments: 3 source=376_US_U1_assign#page1.tif source=376_US_U1_assign#page2.tif source=376_US_U1_assign#page3.tif	

OP \$80.00 13224507

PATENT

501672701

REEL: 026973 FRAME: 0834

**ASSIGNMENT of U.S. and Foreign Patent Rights
to Level 3 Communications, LLC**

Attorney Docket No. 0376-US-U1

(Inventors) Maksim YEVMENKIN of 427 SUNDANCE STREET, THOUSAND OAKS, CA 91360, U.S.A.
Christopher NEWTON of 981 Via Colinas, Westlake Village, CA 91362-5050, U.S.A.
David FULLAGAR of 775 Cherryvale Road, Boulder, CO 80303, U.S.A.

In consideration of the sum of one dollar (\$1.00) and other good valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to **Level 3 Communications, LLC** ("Level 3"), a corporation of Delaware, having an office and place of business at 1025 Eldorado Blvd., Broomfield, Colorado, the undersigned's entire right, title and interest in the invention, all applications filed therefor for patent in the United States and in foreign countries (including divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexamination applications, extensions, and all other patent applications that have been or shall be filed on the invention), all Letters Patent (including original patents, reissued patents, reexamination certificates, and extensions) which may be granted therefor in the United States and in foreign countries, and all rights of priority resulting from the filing of any such application, for the invention known as:

(Title) **Extending Caching Network Functionality To An Existing Streaming Media Server**
for which the undersigned has (have) already filed U.S. application Serial No. 13/224,507 on September 2, 2011, and PCT International application No. PCT/US11/50343 on September 2, 2011.

The undersigned acknowledges an obligation of assignment of this invention to Level 3 at the time the invention was made.

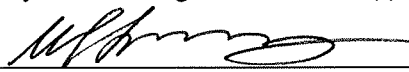
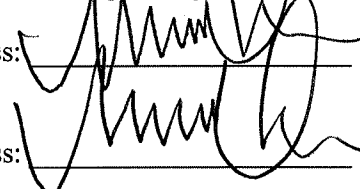

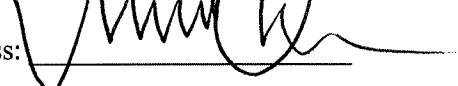

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any provisional-completion, utility, design, continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as Level 3 may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid United States and corresponding foreign patents to Level 3.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to Level 3, as assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of Davidson Berquist Jackson & Gowdey, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that Level 3's attorneys Davidson Berquist Jackson & Gowdey LLP have represented only Level 3 and will continue to represent only Level 3 with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date: <u>9/9/2011</u>	Inventor: <u></u>	Witness: <u></u>
	Maksim YEVMENKIN	
Date: <u>9/9/2011</u>	Inventor: <u></u>	Witness: <u></u>
	Christopher NEWTON	
Date: <u>9/16/2011</u>	Inventor: <u></u>	Witness: _____
	David FULLAGAR	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of VENTURA

N. DuFrene, Notary Public

On 9 SEPT 2011 before me,

Here Insert Name and Title of the Officer

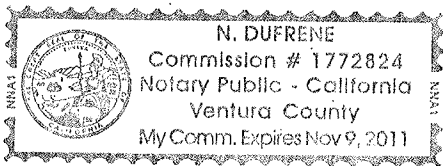
personally appeared

MAKSIM YEUMENKIN

Name(s) of Signer(s)

CHRISTOPHER NEWTON

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: INVENTORS DECLARATION FOR PATENT APPLICATION

Document Date: 2 SEPT 2011

Number of Pages: 2

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s):

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

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personally appeared

MAKSIM YEUMENKIN

Name(s) of Signer(s)

CHRISTOPHER NEWTON

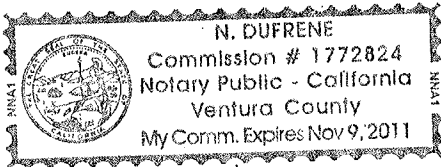
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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

Signature of Notary Public



Place Notary Seal Above

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Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: ASSIGNMENT OF U.S. & FOREIGN PATENT RIGHTS

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER

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RIGHT THUMBPRINT OF SIGNER

Top of thumb here

Signer Is Representing: _____

PATENT