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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3629751

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRAD BERNAY DOCTOR	01/22/2014
NATHANIEL DAVID JAMIEL	01/22/2014
TAYLOR DAVID FRALEY IV	01/22/2014
JOHN GRAYSON FABLE	01/22/2014

RECEIVING PARTY DATA

Name:	LEVEL 3 COMMUNICATIONS, LLC
Street Address:	1025 ELDORADO BLVD.
City:	BROOMFIELD
State/Country:	COLORADO
Postal Code:	80021

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14948268

CORRESPONDENCE DATA

Fax Number: (720)888-5619

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.

Email: kathleen.mcinnish@level3.com JONATHAN C. SIEKMANN Correspondent Name: Address Line 1: 1025 ELDORADO BLVD.

Address Line 4: **BROOMFIELD, COLORADO 80021**

ATTORNEY DOCKET NUMBER:	463USC1
NAME OF SUBMITTER:	JONATHAN C. SIEKMANN
SIGNATURE:	/Jonathan C. Siekmann/
DATE SIGNED:	11/24/2015

Total Attachments: 5

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ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

Assignor/Inventor:

Name of Assignor: Brad Bernay Doctor

City and State of Residence: Golden, Colorado

Name of Assignor: Nathaniel David Jamiel

City and State of Residence: Lafayette, Colorado

Name of Assignor: Taylor David Fraley, IV City and State of Residence: Erie, Colorado

Name of Assignor: John Grayson Fable

City and State of Residence: Longmont, Colorado

Assignee:

Level 3 Communications, LLC 1025 Eldorado Boulevard Broomfield, Colorado 80021

PATENT APPLICATION SUBJECT TO THE ASSIGNMENT (the "Application"):

Patent Application No.: 14/176,706

Filing Date: February 10, 2014

Title: AUTHENTICATION SYSTEM AND METHOD

Attorney Docket No. 0463-US-01

WHEREAS, the Assignor identified above has invented certain new and useful inventions for which the patent application for Letters Patent identified above has been prepared for filing with the United States Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is acknowledged, Assignor has agreed to assign and transfer and does hereby assign and transfer unto the Assignee identified above, its successors and assigns, the entire right, title, and interest in and to said invention and the Application, including any provisional or non-provisional application to which said Application claims priority, and in and to any United States of America and foreign applications that claims priority to the Application, any divisional or continuation (in whole or in part) of said Application, and in and to any and all improvements in

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said invention made by Assignor (provided any such improvement is made during, or within one year after the termination, of the employment by said Company of Assignor), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in the United States of America and all foreign countries in its own name and any priority rights for such United States of America and foreign applications to which such applications or the Assignor are entitled under international conventions, treaties, or otherwise which have been or may be granted thereon or on any divisional, continuation (in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

Assignor further agrees for Assignor and for Assignor's heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as Assignor lawfully may, that may be deemed necessary by said Assignee, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid to obtain to maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the title, application number and filing date of the Application once known;

Assignor hereby acknowledges that Assignee's internal and external counsel have represented only Assignee and will continue to represent only Assignee with respect to this invention;

Assignor hereby acknowledges an obligation of assignment and transfer of this invention and Application to Assignee at the time the invention was made; and

Assignor hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to said Assignee, as the assignee of the entire right, title, and interest therein.

Assignor and Assignee hereby agree that this assignment is governed by the laws of the state of Colorado of the United States of America and subject to the non-exclusive jurisdiction of the courts of the state of Colorado of the United States of America.

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IN WITNES date indicated below		gnor hereunto has executed this Assignment upon the By: Brad Bernay Doctor
		Dated: [-22-14
STATE OF)	
CITY OF) ss.	
COUNTY OF)	
Bernay Doctor, known instrument, and acknown considerations thereions	own to me to be the person owledged to me that he	r said County and State, personally appeared Brad on whose name is subscribed to the foregoing executed the same for the purposes and this 22 mday of
		By: Multiple By: Nathaniel David Jamiel
		Dated: 1-22-2014
STATE OF CITY OF COUNTY OF)) ss.)	Dated. 1 2 2 2 2 1
Nathaniel David Jan	miel , known to me to be, and acknowledged to r	the person whose name is subscribed to the ne that he executed the same for the purposes and
Given under 1	ny hand and seal of offi	ce this 22 m day of

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IN WITNESS WHEREOF, the Assignor date indicated below.	r hereunto has executed this Assignment upon the
	By: Taylor/David Fraley, IV
STATE OF)	Dated: 1/22/2014
CITY OF) ss. COUNTY OF)	
Before me, a Notary Public in and for sa David Fraley , IV, known to me to be the person instrument, and acknowledged to me that he execonsiderations therein expressed.	
Given under my hand and seal of office of the seal of the seal of office of the seal of the se	this Quadraged day of Schlaft, 2014. Control of the Control of th
	By: John Grayson Fable
	Dated: 1/22/14
STATE OF) CITY OF) ss. COUNTY OF)	
Before me, a Notary Public in and for sai Grayson Fable, known to me to be the person winstrument, and acknowledged to me that he execonsiderations therein expressed.	
Given under my hand and seal of confice to SEAL	his Zanday of Jandary, 2014.
	My Commission Expires:
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IN WITNESS WHEREOF, the Ass	signce hereunto has executed this Assignment upon the
date indicated below.	Bv: /54
	David Wier duly authorised for and on behalf of
	Level 3 Communications, LLC
	Dated: 02/12/2011
STATE OF LOUIS (S) SS. COUNTY OF BOOMER!	
TICLE become to me to be the person whose	for said County and State, personally appeared David e name is subscribed to the foregoing instrument, and same for the purposes and considerations therein
Given under my hand and seal of	office this A day of FeBOAL, 2014.
SEAL	Some?
**************************************	Notary Public
JENNIFER LOMELI	My Commission Expires: \\\ \\ \) \\ \)

JENNIFER LOMELI NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20054044452 MY COMMISSION EXPIRES 11/16/2017

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RECORDED: 11/24/2015