

PATENT ASSIGNMENT

Electronic Version v1.1
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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 D. Voigt</td> <td>09/06/2005</td> </tr> <tr> <td>Christopher T. Coston</td> <td>09/06/2005</td> </tr> <tr> <td>Robert J. Feuerstein</td> <td>09/14/2005</td> </tr> <tr> <td>Daniel Youngblood</td> <td>02/13/2006</td> </tr> <tr> <td>Dan Rosenstock</td> <td>02/15/2006</td> </tr> </tbody> </table>		Name	Execution Date	Joshua D. Voigt	09/06/2005	Christopher T. Coston	09/06/2005	Robert J. Feuerstein	09/14/2005	Daniel Youngblood	02/13/2006	Dan Rosenstock	02/15/2006
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<table border="1"> <tr> <td>Name:</td> <td>Level 3 Communications, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1025 Eldorado Boulevard</td> </tr> <tr> <td>City:</td> <td>Broomfield</td> </tr> <tr> <td>State/Country:</td> <td>COLORADO</td> </tr> <tr> <td>Postal Code:</td> <td>80021</td> </tr> </table>		Name:	Level 3 Communications, Inc.	Street Address:	1025 Eldorado Boulevard	City:	Broomfield	State/Country:	COLORADO	Postal Code:	80021		
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CORRESPONDENCE DATA													
<p>Fax Number: 7208885619</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: kathleen.mcinnish@level3.com</p> <p>Correspondent Name: Jonathan C. Siekmann</p> <p>Address Line 1: 1025 Eldorado Blvd.</p> <p>Address Line 4: Broomfield, COLORADO 80021</p>													
ATTORNEY DOCKET NUMBER:	0052-US-C1												
NAME OF SUBMITTER:	Jonathan C. Siekmann												
<p>Total Attachments: 6</p> <p>source=Voight_et al_assignment#page1.tif</p>													

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ASSIGNMENT

WHEREAS, we, **Joshua D. Voigt**, residing at 10040 Wolff Street, Westminster, Colorado 80031, **Christopher T. Coston**, residing at 3632 Blanca Peak Drive, Superior, Colorado 80027, **Robert J. Feuerstein**, residing at 1780 Lombardy Dr., Boulder, Colorado 80304, **Daniel Youngblood**, residing at 2880 Callan Ct., Broomfield, Colorado 80020 and **Dan Rosenstock**, residing at 1230 W 11th Ct., Broomfield, Colorado 80020-3423, have invented a certain new and useful invention entitled "**SYSTEMS AND METHODS FOR DISCOVERING NETWORK TOPOLOGY**" for which an application for Letters Patent of the United States has been prepared and filed on 10/26/2005, receiving Serial No. 11/259,448, and further identified as Attorney File No. **74120-316804**;

NOW THEREFORE, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly agreed to assign and transfer and do hereby assign and transfer unto **Level 3 Communications, Inc.** ("Company"), a corporation a corporation organized and existing under the laws of the State of Delaware, having its principal office at 1025 Eldorado Boulevard, Broomfield, Colorado 80021, its successors and assigns, the entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by said Company of whichever of us, solely or jointly with one or more others, has made the same), 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 foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications 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), renewal, reexamination, reissue, or other or further application based 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 us or any of us had this assignment and transfer not been made;

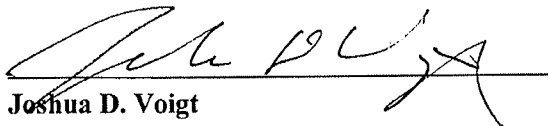
We do further agree for ourselves and for our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as we lawfully may, that may be deemed necessary by said Company, its successors,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

And we do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to said Company, as the assignee of the entire right, title, and interest therein.

Atty. Docket No.: 74120-316804

IN WITNESS WHEREOF, we have hereunto signed our names on the days and years set forth below:

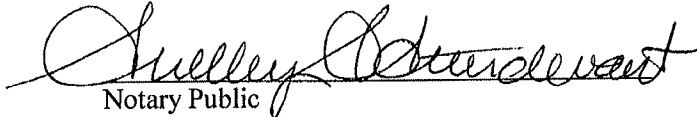
Date: Sept 6, 2005


Joshua D. Voigt

STATE OF COLORADO)
) ss.
COUNTY OF BROOMFIELD)

Before me, a Notary Public in and for said County and State, personally appeared **Joshua D. Voigt**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 6th day of September, 2005.


Notary Public

My Commission Expires: 9/1/06

Atty. Docket No.: 74120-316804

Date: Sept 6, 2005

CTC
Christopher T. Coston

STATE OF COLORADO)
) ss.
COUNTY OF BROOMFIELD)

Before me, a Notary Public in and for said County and State, personally appeared **Christopher T. Coston**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

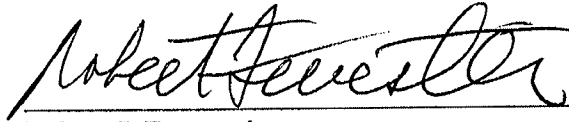
Given under my hand and seal of office this 6th day of September, 2005.

Shelley Sturdevant
Notary Public

My Commission Expires: 9/1/06

Atty. Docket No.: 74120-316804

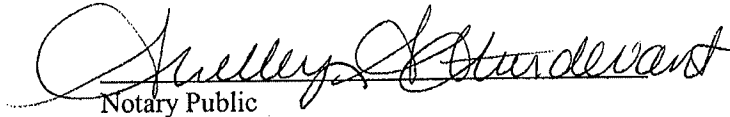
Date: 9/14/05


Robert J. Feuerstein

STATE OF CO)
COUNTY OF Broomfield) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Robert J. Feuerstein**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

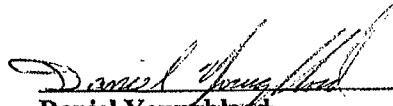
Given under my hand and seal of office this 14th day of September, 2005.


Notary Public

My Commission Expires: 9/1/06

Atty. Docket No.: 74120-316804

Date: 2/13/06


Daniel Youngblood

STATE OF Colorado)
COUNTY OF Broomfield) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Daniel Youngblood**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

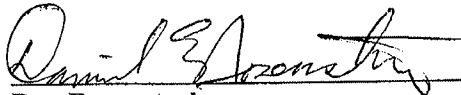
Given under my hand and seal of office this 13th day of February, ~~2005~~ 2006,


Notary Public

My Commission Expires: 9/1/06

Atty. Docket No.: 74120-316804


Date: 2-15-2006


Dan Rosenstock

STATE OF Colorado)
COUNTY OF Broomfield) ss.

Before me, a Notary Public in and for said County and State, personally appeared **Dan Rosenstock**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 15th day of February, 2005-2006.


Shelley Stenderant
Notary Public

My Commission Expires: 9/1/06