

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Brett P. Hollman	01/24/2002
Jeffrey L. Martin	01/24/2002
George T. Joseph	01/25/2002
Alex J. Henes	01/24/2002
Christopher M. Bonewitz	01/24/2002
Kaveh Asalian	01/24/2002
Geoff Yaworski	01/24/2002
Gary L. Ryczek	01/24/2002
Colin Train	01/24/2002

RECEIVING PARTY DATA

Name:	Level 3 Communications
Street Address:	1025 Eldorado Blvd.
City:	Broomfield
State/Country:	COLORADO
Postal Code:	80021

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12554835

CORRESPONDENCE DATA

Fax Number: (720)377-0779
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 720-377-0770
 Email: smcpeak@hkh-law.com
 Correspondent Name: Thomas J. Osborne, Jr.
 Address Line 1: 1660 Lincoln Street
 Address Line 2: Hensley Kim & Holzer, LLC

OP \$40.00 12554835

Address Line 4: Denver, COLORADO 80264

ATTORNEY DOCKET NUMBER:

519-011-CP4

NAME OF SUBMITTER:

Thomas J. Osborne, Jr.

Total Attachments: 6

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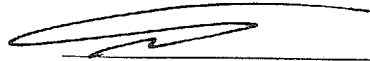
ASSIGNMENT

WHEREAS, we, Brett P. Hollman, residing at 2039 West Centennial Drive, Louisville, CO 80027, Jeffrey L. Martin, residing at 5851 Teal Street, Frederick, CO 80504, George T. Joseph, residing at 1620 Platte St., Apt. 227, Denver, CO 80202, Alex J. Henes, residing at 3763 Osceola Street, Denver, CO 80212, Christopher M. Bonewitz, residing at 29538 Loomis Way, Golden, CO 80403, Kaveh Asalian, residing at 633 Eldorado Blvd., Apt. # 1035, Broomfield, CO 80021, Geoff R. Yaworski, residing at 1438 Grape St., Denver, CO 80220, Gary L. Ryczek, residing at ^{1390 S. Marion St. Denver CO 80210} ~~1391 Lasalle Street, Superior, CO 80027~~ ^{APR 12 124/02} and Colin G. Train, residing at 19622 East Fair Place, Aurora, CO 80016, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on January 25, 2002, which is entitled ROUTING ENGINE FOR TELECOMMUNICATIONS NETWORK.

AND WHEREAS, Level (3) Communications, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1025 Eldorado Blvd., Broomfield, CO 80021 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of January, 2002.

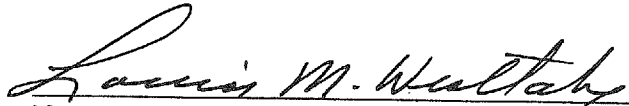


Jeffrey L. Martin

STATE OF Colorado)
) ss.
COUNTY OF Broomfield)

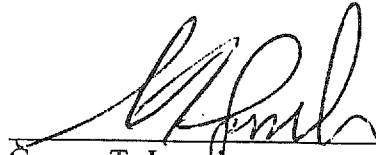
On this 24th day of January, 2002, before me personally appeared Jeffrey L. Martin to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 35 day of January, 2002.

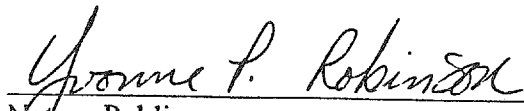


George T. Joseph

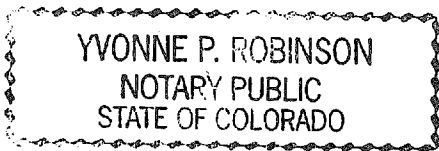
STATE OF Colorado)
) ss.
COUNTY OF Denver)

On this 35th day of January, 2002, before me personally appeared George T. Joseph to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public



My Commission Expires 02/04/2004

