

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

**08/07/2008**  
**500615654**

<b>SUBMISSION TYPE:</b>	<b>CORRECTIVE ASSIGNMENT</b>
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the Recordation Form Cover Sheet previously recorded on Reel 016283 Frame 0190. Assignor(s) hereby confirms the Collateral Agreement.

**CONVEYING PARTY DATA**

Name	Execution Date
Level 3 Communications, Inc.	12/01/2004

**RECEIVING PARTY DATA**

<b>Name:</b>	Merrill Lynch Capital Corporation, as collateral agent
<b>Street Address:</b>	North Tower
<b>Internal Address:</b>	World Financial Center
<b>City:</b>	New York
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10281

**PROPERTY NUMBERS Total: 25**

Property Type	Number
Patent Number:	4943941
Patent Number:	5041971
Patent Number:	5155727
Patent Number:	5319735
Patent Number:	5319781
Patent Number:	5682328
Patent Number:	5734649
Patent Number:	5848403
Patent Number:	6023697
Patent Number:	6144638
Patent Number:	6160811
Patent Number:	6175872
Patent Number:	6310893

OP \$1000.00 4943941

09/17/2008 03:37 FAX 703 308 7031

USPTO ASSIGNMENT DIV.

002/005

Patent Number:	6347366
Patent Number:	6405188
Patent Number:	6442856
Patent Number:	6480879
Patent Number:	6509890
Patent Number:	6539542
Patent Number:	6567378
Patent Number:	6590889
Patent Number:	6609087
Patent Number:	6618726
Patent Number:	6629126
Patent Number:	6633854

## CORRESPONDENCE DATA

Fax Number: (720)888-5619  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 720.888.3539  
Email: david.wier@level3.com  
Correspondent Name: David D. Wier  
Address Line 1: 1025 Eldorado Blvd.  
Address Line 4: Broomfield, COLORADO 80021

NAME OF SUBMITTER:

David D Wier

Total Attachments: 1

source=Corrective Recordation Form Cover Sheet Reel 016283 Frame 0190#page1.tif

2.25.05

02-25-2005

Form PTO-1016 (Rev. 10/02)		RECORD/	102948343	DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
OMB No. 0891-0227 (exp. 6/30/2008)		F		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): <u>LEVEL 3 COMMUNICATIONS, INC.</u>		2. Name and address of receiving party(ies): Name: <u>MERRILL LUNCH CAPITAL CORPORATION,</u> <u>AS COLLATERAL AGENT</u> Internal Address: _____		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other <u>COLLATERAL AGREEMENT</u>		Street Address: <u>NORTH TOWER,</u> <u>WORLD FINANCIAL CENTER</u> City: <u>NEW YORK</u> State: <u>NY</u> Zip: <u>10281</u>		
Execution Date: <u>12/01/2004</u>		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____				
A. Patent Application No.(s) <u>SEE ATTACHED</u>		B. Patent No.(s) <u>SEE ATTACHED</u>		
Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>FINELORE J. A. ADONIS</u> Internal Address: <u>FEDERAL RESEARCH CORPORATION</u> Street Address: <u>1035 FIFTEENTH STREET NW, SUITE 900</u> City: <u>WASHINGTON</u> State: <u>DC</u> Zip: <u>20005</u>		6. Total number of applications and patents involved: <u>25</u>		
		7. Total fee (37 CFR 3.41).....\$ <u>1,000.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account		
		8. Deposit account number: <u>50-3155 Federal Research</u>		
DO NOT USE THIS SPACE				
9. Signature: <u>RANDI L. ARONOW</u> <u>Randi Aronow</u> <u>12/20/2004</u> Name of Person Signing Signature Date				
Total number of pages including cover sheet, attachments, and documents: <input type="checkbox"/>				

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20237

435/251, T. NORTON

PATENT  
REEL: 016283 FRAME: 0190

PATENT  
REEL: 021561 FRAME: 0655

**EXECUTION COPY**

---

**COLLATERAL AGREEMENT**

**dated as of**

**December 1, 2004**

**among**

**LEVEL 3 COMMUNICATIONS, INC.,**

**LEVEL 3 FINANCING, INC.,**

**the Subsidiaries of LEVEL 3 COMMUNICATIONS, INC. identified herein,**

**and**

**MERRILL LYNCH CAPITAL CORPORATION,  
as Collateral Agent**

---

**[CS&M Ref No. 4255-253]**

[[NYCDRP:2443930v16:4438C:11/29/04-01:02 p]]

**PATENT  
REEL: 016283 FRAME: 0650**

**PATENT  
REEL: 021561 FRAME: 0656**

# TABLE OF CONTENTS

Page

## ARTICLE I

### Definitions

SECTION 1.01. Credit Agreement.....	1
SECTION 1.02. Other Defined Terms .....	1

## ARTICLE II

### Pledge of Securities

SECTION 2.01. Pledge.....	5
SECTION 2.02. Delivery of the Pledged Collateral.....	6
SECTION 2.03. Representations, Warranties and Covenants.....	7
SECTION 2.04. Certification of Limited Liability Company Interests and Limited Partnership Interests.....	8
SECTION 2.05. Registration in Nominee Name; Denominations .....	8
SECTION 2.06. Voting Rights; Dividends and Interest, etc .....	9

## ARTICLE III

### Security Interests in Personal Property

SECTION 3.01. Security Interest .....	11
SECTION 3.02. Representations and Warranties.....	13
SECTION 3.03. Covenants.....	14
SECTION 3.04. Other Actions .....	17
SECTION 3.05. Covenants regarding Patent, Trademark and Copyright Collateral .....	20

## ARTICLE IV

### Remedies

SECTION 4.01. Remedies Upon Default.....	22
SECTION 4.02. Application of Proceeds .....	23
SECTION 4.03. Grant of License to Use Intellectual Property.....	24
SECTION 4.04. Securities Act, etc .....	24

## ARTICLE V

### Miscellaneous

SECTION 5.01. Notices .....	25
SECTION 5.02. Security Interest Absolute.....	25

[NYCORP-2463930-16:4430C:11/29/04-01:02 p]

PATENT  
REEL: 016283 FRAME: 0651

PATENT  
REEL: 021561 FRAME: 0657

SECTION 5.03. Survival of Agreement .....	26
SECTION 5.04. Binding Effect; Several Agreement .....	26
SECTION 5.05. Successors and Assigns .....	26
SECTION 5.06. Collateral Agent's Fees and Expenses; Indemnification .....	26
SECTION 5.07. Collateral Agent Appointed Attorney-in-Fact .....	27
SECTION 5.08. Applicable Law .....	28
SECTION 5.09. Waivers; Amendment .....	28
SECTION 5.10. WAIVER OF JURY TRIAL .....	28
SECTION 5.11. Severability .....	29
SECTION 5.12. Counterparts .....	29
SECTION 5.13. Headings .....	29
SECTION 5.14. Jurisdiction; Consent to Service of Process .....	29
SECTION 5.15. Termination or Release .....	30
SECTION 5.16. Additional Grantors .....	30
SECTION 5.17. Right of Setoff .....	30
SECTION 5.18. Compliance with Laws .....	31
SECTION 5.19. Consent by Grantors .....	31
SECTION 5.20. Conflicts .....	31

#### Schedules

Schedule I	Grantors
Schedule II	Capital Stock; Debt Securities
Schedule III	Intellectual Property

#### Exhibits

Exhibit A	Form of Supplement
Exhibit B	Form of Annual Perfection Certificate

COLLATERAL AGREEMENT dated as of December 1, 2004, among LEVEL 3 FINANCING, INC., a Delaware corporation (the "Borrower"), LEVEL 3 COMMUNICATIONS, INC., a Delaware corporation ("Level 3"), the Subsidiaries of Level 3 identified herein and MERRILL LYNCH CAPITAL CORPORATION ("MLCC"), as collateral agent (in such capacity, the "Collateral Agent").

#### PRELIMINARY STATEMENT

Reference is made to the Credit Agreement dated as of December 1, 2004 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrower, Level 3, the lenders from time to time party thereto (the "Lenders") and MLCC, as administrative agent (in such capacity, the "Administrative Agent") and Collateral Agent. The Lenders have agreed to extend credit to the Borrower pursuant to, and upon the terms and conditions specified in, the Credit Agreement. The obligations of the Lenders to extend such credit to the Borrower are conditioned upon, among other things, the execution and delivery of this Agreement by Level 3, the Borrower and the Subsidiary Grantors. Level 3 and the Subsidiary Grantors are affiliates of the Borrower, will derive substantial benefits from the extension of credit to the Borrower pursuant to the Credit Agreement and are willing to execute and deliver this Agreement in order to induce the Lenders to extend such credit.

Accordingly, the parties hereto agree as follows:

#### ARTICLE I

##### Definitions

SECTION 1.01. Credit Agreement. (a) Capitalized terms used in this Agreement and not otherwise defined herein have the meanings set forth in the Credit Agreement. All terms defined in the New York UCC (as such term is defined herein) and not defined in this Agreement have the meanings specified therein. All references to the Uniform Commercial Code shall mean the New York UCC.

(b) The rules of construction specified in Section 1.02 of the Credit Agreement also apply to this Agreement.

SECTION 1.02. Other Defined Terms. As used in this Agreement, the following terms have the meanings specified below:

"Account Debtor" means any person who is or who may become obligated to any Grantor under, with respect to or on account of an Account.

"Accounts Receivable" means all Accounts and all right, title and interest in any returned goods, together with all rights, titles, securities and guarantees with respect thereto, including any rights to stoppage in transit, replevin, reclamation and

[[NYC08P2443956-16-4450C-11/29/04-01:42 p]]

PATENT  
REEL: 016283 FRAME: 0653

PATENT  
REEL: 021561 FRAME: 0659

resales, and all related security interests, liens and pledges, whether voluntary or involuntary, in each case whether now existing or owned or hereafter arising or acquired.

"Administrative Agent" has the meaning assigned to such term in the preliminary statement of this Agreement.

"Annual Perfection Certificate" means a certificate substantially in the form of Exhibit B, completed and supplemented with the schedules and attachments contemplated thereby, and duly executed by an authorized officer of the Borrower.

"Article 9 Collateral" has the meaning assigned to such term in Section 3.01.

"Borrower" has the meaning assigned to such term in the preamble of this Agreement.

"Collateral" means the Article 9 Collateral and the Pledged Collateral.

"Collateral Proceeds Deposit Account" means any cash collateral account established as provided in Section 3.04(b).

"Collateral Agent" has the meaning assigned to such term in the preamble of this Agreement.

"Copyright License" means any written agreement, now or hereafter in effect, granting any right to any third party under any Copyright now or hereafter owned by any Grantor or that such Grantor otherwise has the right to license, or granting any right to any Grantor under any United States copyright now or hereafter owned by any third party, and all rights of such Grantor under any such agreement.

"Copyrights" means all of the following now owned or hereafter acquired by any Grantor: (a) all copyright rights in any work subject to the copyright laws of the United States, whether as author, assignee, transferee or otherwise, and (b) all registrations and applications for registration of any such copyright in the United States, including registrations, recordings, supplemental registrations and pending applications for registration in the United States Copyright Office (or any successor office), including those listed on Schedule III.

"Credit Agreement" has the meaning assigned to such term in the preliminary statement of this Agreement.

"Effective Date Perfection Certificate" has the meaning assigned to such term in the Credit Agreement.

"Equity Interests" means shares of capital stock, partnership interests, membership interests in a limited liability company, beneficial interests in a trust or other equity interests in any person, or any obligations convertible into or exchangeable for, or



giving any person a right, option or warrant to acquire such equity interests or such convertible or exchangeable obligations.

"Federal Securities Laws" has the meaning assigned to such term in Section 5.04.

"General Intangibles" means all choses in action and causes of action and all other intangible personal property of any Grantor of every kind and nature (other than Accounts) now owned or hereafter acquired by any Grantor, including all rights and interests in partnerships, limited partnerships, limited liability companies and other unincorporated entities, corporate or other business records, indemnification claims, contract rights (including rights under leases, whether entered into as lessor or lessee, Hedging Agreements and other agreements), Intellectual Property, goodwill, registrations, franchises, tax refund claims and any letter of credit, guarantee, claim, security interest or other security held by or granted to any Grantor to secure payment by an Account Debtor of any of the Accounts.

"Grantors" means Level 3, the Borrower and the Subsidiary Grantors.

"Intellectual Property" means all intellectual and similar property of any Grantor of every kind and nature now owned or hereafter acquired by any Grantor in the United States, including inventions, designs, Patents, Copyrights, Licenses, Trademarks, trade secrets, confidential or proprietary technical and business information, know-how, show-how or other data or information, software and databases and all embodiments or fixations thereof and related documentation, registrations and franchises, and all additions, improvements and accessions to, and books and records describing or used in connection with, any of the foregoing.

"Lenders" has the meaning assigned to such term in the preliminary statement of this Agreement.

"Level 3" has the meaning assigned to such term in the preamble of this Agreement.

"Level 3 LLC" means Level 3 Communications LLC, a Delaware limited liability company.

"License" means any Patent License, Trademark License, Copyright License or other license or sublicense agreement to which any Grantor is a party, including those listed on Schedule III (other than those license agreements in existence on the date hereof and listed on Schedule III and those license agreements entered into after the date hereof, which by their terms prohibit assignment or a grant of a security interest by such Grantor as licensee thereunder).

"MLCC" has the meaning assigned to such term in the preamble of this Agreement.

**"New York UCC"** means the Uniform Commercial Code as from time to time in effect in the State of New York.

**"Obligations"** means (a) the due and punctual payment of (i) the principal of and interest (including interest accruing during the pendency of any bankruptcy, insolvency, receivership or other similar proceeding, regardless of whether allowed or allowable in such proceeding) on the Loans (including Loans pursuant to Additional Tranches), when and as due, whether at maturity, by acceleration, upon one or more dates set for prepayment or otherwise and (ii) all other monetary obligations of the Borrower to any of the Secured Parties under the Credit Agreement and each of the other Loan Documents, including fees, costs, expenses and indemnities, whether primary, secondary, direct, contingent, fixed or otherwise (including monetary obligations incurred during the pendency of any bankruptcy, insolvency, receivership or other similar proceeding, regardless of whether allowed or allowable in such proceeding), (b) the due and punctual performance of all other obligations of the Borrower under or pursuant to the Credit Agreement and each of the other Loan Documents, and (c) the due and punctual payment and performance of all the obligations of each Loan Party other than the Borrower under or pursuant to this Agreement and each of the other Loan Documents.

**"Patent License"** means any written agreement, now or hereafter in effect, granting to any third party any right to make, use or sell any invention on which a Patent, now or hereafter owned by any Grantor or that any Grantor otherwise has the right to license, is in existence, or granting to any Grantor any right to make, use or sell any invention on which a United States patent, now or hereafter owned by any third party, is in existence, and all rights of any Grantor under any such agreement.

**"Patents"** means all of the following now owned or hereafter acquired by any Grantor: (a) all letters patent of the United States, all registrations and recordings thereof, and all applications for letters patent of the United States, including registrations, recordings and pending applications in the United States Patent and Trademark Office (or any successor), including those listed on Schedule III, and (b) all reissues, continuations, divisions, continuations-in-part, renewals or extensions thereof in the United States, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein in the United States.

**"Pledged Collateral"** has the meaning assigned to such term in Section 2.01.

**"Pledged Debt Securities"** has the meaning assigned to such term in Section 2.01.

**"Pledged Securities"** means any promissory notes, stock certificates or other securities now or hereafter included in the Pledged Collateral, including all certificates, instruments or other documents representing or evidencing any Pledged Collateral.

[NYC00P-2443930v16:4430C:11/23/04-01:03 p]

PATENT  
REEL: 016283 FRAME: 0656

PATENT  
REEL: 021561 FRAME: 0662

**"Pledged Equity Interests"** has the meaning assigned to such term in Section 3.01.

**"Secured Parties"** means (a) the Lenders, (b) the Administrative Agent, (c) the Collateral Agent, (d) the beneficiaries of each indemnification obligation undertaken by any Loan Party under any Loan Document and (e) the successors and assigns of each of the foregoing.

**"Security Interest"** has the meaning assigned to such term in Section 4.01.

**"Subsidiary Grantors"** means (a) the Subsidiaries of Level 3 identified on Schedule I and (b) each other Subsidiary of Level 3 that becomes a party to this Agreement as a Subsidiary Grantor after the date hereof.

**"Trademark License"** means any written agreement, now or hereafter in effect, granting to any third party any right to use any Trademark now or hereafter owned by any Grantor or that any Grantor otherwise has the right to license, or granting to any Grantor any right to use any United States trademark now or hereafter owned by any third party, and all rights of any Grantor under any such agreement.

**"Trademarks"** means all of the following now owned or hereafter acquired by any Grantor in the United States: (a) all trademarks, service marks, trade names, corporate names, company names, business names, fictitious business names, trade styles, trade dress, logos, other source or business identifiers, designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all registration and recording applications filed in connection therewith, including registrations and registration applications in the United States Patent and Trademark Office (or any successor office) or any similar offices in any State of the United States, and all extensions or renewals thereof, including those listed on Schedule III, (b) all goodwill associated therewith or symbolized thereby and (c) all other assets, rights and interests that uniquely reflect or embody such goodwill.

**"Vehicles"** means all cars, trucks, trailers, construction and earth moving equipment and other vehicles covered by a certificate of title law of any state.

## ARTICLE II

### Pledge of Securities

**SECTION 2.01. Pledge.** As security for the payment or performance, as the case may be, in full of the Obligations, each Grantor hereby pledges to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest in, all of such Grantor's right, title and interest in, to and under (a) all Equity Interests listed on Schedule II, all other Equity Interests owned by such Grantor on the date hereof (other than Equity Interests issued by Subsidiaries (1) not engaged to any extent in the Telecommunications/IS Business or (2) that are not Material Subsidiaries) and any other Equity Interests that are obtained in the future by such

[NYCORP2443950v16:4450C:11/29/04-01:02 p1]

PATENT  
REEL: 016283 FRAME: 0657

PATENT  
REEL: 021561 FRAME: 0663

Grantor (other than Equity Interests issued by Subsidiaries (1) not engaged to any extent in the Telecommunications/IS Business or (2) that are not Material Subsidiaries), and the certificates representing all such Equity Interests (the "Pledged Equity Interests"); provided, however, that (i) the Pledged Equity Interests shall not include (1) more than 65% of the issued and outstanding voting Equity Interests in Level 3 Communications Canada Co. or (2) any Equity Interest of any Foreign Subsidiary other than Level 3 Communications Canada Co. and (ii) after the Enhanced Collateral Date, the Pledged Equity Interests shall exclude Equity Interests issued by (1) Software Spectrum, Inc. ("Software"), (2) Eldorado Marketing, Inc. ("Eldorado"), and (3) (i) Structure, LLC (together with Software and Eldorado, the "Excluded Subsidiaries"); (b) the debt securities owned by such Grantor on the date hereof (including those listed opposite the name of such Grantor on Schedule II) and any debt securities that are obtained in the future by such Grantor, and the promissory notes and any other instruments evidencing such debt securities (the "Pledged Debt Securities"); (c) all other property that may be delivered to and held by the Collateral Agent pursuant to the terms of this Section 2.01; (d) subject to Section 2.06, all payments of principal or interest, dividends, cash, instruments and other property from time to time received, receivable or otherwise distributed in respect of, in exchange for or upon the conversion of, and all other Proceeds received in respect of, the securities referred to in clauses (a) and (b) above; (e) subject to Section 2.06, all rights and privileges of such Grantor with respect to the securities and other property referred to in clauses (a), (b), (c) and (d) above; and (f) all Proceeds of any of the foregoing (the items referred to in clauses (a) through (f) above being collectively referred to as the "Pledged Collateral").

TO HAVE AND TO HOLD the Pledged Collateral, together with all right, title, interest, powers, privileges and preferences pertaining or incidental thereto, unto the Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, forever; subject, however, to the terms, covenants and conditions hereinafter set forth.

**SECTION 2.02. Delivery of the Pledged Collateral.** (a) Each Grantor agrees promptly to deliver or cause to be delivered to the Collateral Agent any and all Pledged Securities. Notwithstanding the foregoing, promptly after the Enhanced Collateral Date, the Collateral Agent agrees to deliver or cause to be delivered to the applicable Grantors the Equity Interests issued by the Excluded Subsidiaries and their corresponding instruments of transfer.

(b) Each Grantor will cause the Loan Proceeds Note, the Offering Proceeds Note, the Parent Intercompany Note and any additional Indebtedness of Level 3 LLC to Level 3 to be evidenced by either the Parent Intercompany Note or another duly executed promissory note to be pledged and delivered to the Collateral Agent, duly endorsed in a manner satisfactory to the Collateral Agent. Each Grantor will cause the security interests granted hereby for Indebtedness for borrowed money owed to such Grantor to be at all times first priority perfected security interests. Upon the occurrence and during the continuance of an Event of Default, each Grantor will cause any other Indebtedness for borrowed money owed to such Grantor by any person in an amount that exceeds \$1,000,000 that is evidenced by a duly executed promissory note to be pledged

[[NYCORP:2443950v16:4410C:11/29/04-01:02 p]]

PATENT  
REEL: 016283 FRAME: 0658

PATENT  
REEL: 021561 FRAME: 0664

and delivered to the Collateral Agent, duly endorsed in a manner satisfactory to the Collateral Agent.

(c) Upon delivery to the Collateral Agent, (i) any Pledged Securities shall be accompanied by undated stock powers duly executed in blank or other instruments of transfer satisfactory to the Collateral Agent and by such other instruments and documents as the Collateral Agent may reasonably request and (ii) all other property comprising part of the Pledged Collateral shall be accompanied by proper instruments of assignment duly executed by the applicable Grantor and such other instruments or documents as the Collateral Agent may reasonably request. Each delivery of Pledged Securities shall be accompanied by a schedule describing the securities, which schedule shall be attached hereto as Schedule II and made a part hereof, provided that the failure to attach any such schedule hereto shall not affect the validity of such pledge of such Pledged Securities. Each schedule so delivered shall supplement any prior schedules so delivered.

**SECTION 2.03. Representations, Warranties and Covenants.** The Grantors jointly and severally represent, warrant and covenant to and with the Collateral Agent, for the benefit of the Secured Parties, that:

(a) on the date hereof, Schedule II correctly sets forth the percentage of the issued and outstanding Equity Interests of each class of the issuer thereof represented by the Pledged Equity Interests and includes all Equity Interests, debt securities and promissory notes required to be pledged hereunder in order to satisfy the Guarantee and Collateral Requirement;

(b) except for the security interests granted hereunder, each of the Grantors (i) is on the date hereof and, subject to any transfers made in compliance with the Credit Agreement, will continue to be the direct owner, beneficially and of record, of the Pledged Securities indicated on Schedule II as owned by such Grantor, (ii) on the date hereof holds the same free and clear of all Liens, (iii) will make no assignment, pledge, hypothecation or transfer of, or create or permit to exist any security interest in or other Lien on, the Pledged Collateral, other than Liens created by this Agreement or as permitted by the Credit Agreement and transfers made in compliance with the Credit Agreement, and (iv) subject to Section 2.06, will cause any and all Pledged Collateral, whether for value paid by the Grantor or otherwise, to be forthwith deposited with the Collateral Agent and pledged or assigned hereunder;

(c) except for restrictions and limitations imposed by the Loan Documents or securities laws generally, and subject to the obtaining of any approvals referred to in Section 5.18, the Pledged Collateral (other than Pledged Collateral representing less than all of the Equity Interests of a person) is on the date hereof and will continue to be freely transferable and assignable, and none of the Pledged Collateral is on the date hereof or will be subject to any option, right of first refusal, shareholders agreement, charter or by-law provision or contractual restriction of any nature that might prohibit, impair, delay or otherwise affect the pledge of such Pledged Collateral hereunder, the sale or disposition thereof

[[NYCORP:2443930v16:4430C:11/29/04--01:02 p]]

**PATENT**  
**REEL: 016283 FRAME: 0659**

**PATENT**  
**REEL: 021561 FRAME: 0665**

pursuant hereto or the exercise by the Collateral Agent of rights and remedies hereunder;

(d) each of the Grantors (i) on the date hereof, has the power and authority to pledge the Pledged Collateral pledged by it hereunder in the manner hereby done or contemplated and (ii) will defend its title or interest thereto or therein against any and all Liens (other than Liens created by this Agreement or as permitted by the Credit Agreement), however arising, of all persons whomsoever;

(e) on the date hereof, no consent or approval of any Governmental Authority, any securities exchange or any other person was or is necessary to the validity of the pledge of the Pledged Collateral effected hereby (other than such as have been obtained and are in full force and effect or as may required as provided in Section 5.18 hereof);

(f) by virtue of the execution and delivery by the Grantors of this Agreement, when any Pledged Securities are delivered to the Collateral Agent in accordance with this Agreement, the Collateral Agent will obtain a legal, valid and perfected first priority lien upon and security interest in such Pledged Securities as security for the payment and performance of the Obligations; and

(g) the pledge effected hereby is effective to vest in the Collateral Agent, for the benefit of the Secured Parties, the rights of the Collateral Agent in the Pledged Collateral as set forth herein.

**SECTION 2.04. Certification of Limited Liability Company Interests and Limited Partnership Interests.** Each Grantor represents and warrants that none of the interests in any limited liability company or limited partnership controlled by any Grantor and pledged hereunder are represented by a certificate or are "securities" within the meaning of Article 8 of the New York UCC, and covenants and agrees that it shall at no time elect to treat any such interest as a "security" within the meaning of Article 8 of the New York UCC or issue any certificate representing such interest, unless it provides prior written notification to the Collateral Agent of such election and immediately pledges and delivers any such certificate to the Collateral Agent pursuant to the terms hereof.

**SECTION 2.05. Registration in Nominee Name; Denominations.** The Collateral Agent, on behalf of the Secured Parties, shall have the right (in its sole and absolute discretion) to hold the Pledged Securities in its own name as pledgee, the name of its nominee (as pledgee or as sub-agent) or the name of the applicable Grantor, endorsed or assigned in blank or in favor of the Collateral Agent. Each Grantor will promptly give to the Collateral Agent copies of any notices or other communications received by it with respect to Pledged Securities registered in the name of such Grantor. The Collateral Agent shall at all times have the right to exchange the certificates representing Pledged Securities for certificates of smaller or larger denominations for any purpose consistent with this Agreement.

[[NYCORP2443950v16:4450C:11/29/04--01:02 p]]

PATENT  
REEL: 016283 FRAME: 0660

PATENT  
REEL: 021561 FRAME: 0666

**SECTION 2.06. Voting Rights: Dividends and Interest, etc.** (a) Unless and until an Event of Default shall have occurred and be continuing and the Collateral Agent shall have given the Grantors at least two Business Days' notice of its intent to exercise its rights under this Agreement (which notice shall be deemed to have been given immediately upon the occurrence of an Event of Default with respect to Level 3 or the Borrower under paragraph (i) or (j) of Article VII of the Credit Agreement):

(i) Each Grantor shall be entitled to exercise any and all voting and/or other consensual rights and powers inuring to an owner of Pledged Securities or any part thereof for any purpose consistent with the terms of this Agreement, the Credit Agreement and the other Loan Documents; provided, however, that such rights and powers shall not be exercised in any manner that could materially and adversely affect the rights inuring to a holder of any Pledged Securities or the rights and remedies of any of the Collateral Agent or the other Secured Parties under this Agreement or the Credit Agreement or any other Loan Document or the ability of the Secured Parties to exercise the same.

(ii) The Collateral Agent shall execute and deliver to each Grantor, or cause to be executed and delivered to each Grantor, all such proxies, powers of attorney and other instruments as a Grantor may reasonably request for the purpose of enabling such Grantor to exercise the voting and/or consensual rights and powers it is entitled to exercise pursuant to subparagraph (i) above.

(iii) Each Grantor shall be entitled to receive and retain any and all dividends, interest, principal and other distributions paid on or distributed in respect of the Pledged Securities (including in respect of the Loan Proceeds Note) to the extent and only to the extent that such dividends, interest, principal and other distributions are permitted by, and otherwise paid or distributed in accordance with, the terms and conditions of the Credit Agreement, the other Loan Documents and applicable laws; provided, however, that any noncash dividends, interest, principal or other distributions that would constitute Pledged Equity Interests or Pledged Debt Securities, whether resulting from a subdivision, combination or reclassification of the outstanding Equity Interests of the issuer of any Pledged Securities or received in exchange for Pledged Securities or any part thereof, or in redemption thereof, or as a result of any merger, consolidation, acquisition or other exchange of assets to which such issuer may be a party or otherwise, shall be and become part of the Pledged Collateral, and shall not be commingled by such Grantor with any of its other funds or property but shall be held separate and apart therefrom, shall be held in trust for the benefit of the Collateral Agent and shall be forthwith delivered to the Collateral Agent in the same form as so received (with any necessary endorsement). This paragraph (iii) shall not apply to dividends between or among the Borrower and the Subsidiary Grantors only of property subject to a perfected security interest under this

[[NYCORP-2443930v16-4450C:11/29/04-.01-02 p]]

PATENT

REEL: 016283 FRAME: 0661

PATENT

REEL: 021561 FRAME: 0667

Agreement; provided that the Borrower notifies the Collateral Agent in writing, specifically referring to this Section 2.06, at the time of such dividend and takes any actions the Collateral Agent reasonably specifies to ensure the continuance of its perfected security interest in such property under this Agreement.

(b) Upon the occurrence and during the continuance of an Event of Default, after the Collateral Agent shall have notified (or shall be deemed to have notified) the Grantors of the suspension of their rights under paragraph (a)(iii) of this Section 2.06, then all rights of any Grantor to dividends, interest, principal or other distributions (including in respect of the Loan Proceeds Note) that such Grantor is authorized to receive pursuant to paragraph (a)(iii) of this Section 2.06 shall cease, and all such rights shall thereupon become vested in the Collateral Agent, which shall have the sole and exclusive right and authority to receive and retain such dividends, interest, principal or other distributions. All dividends, interest, principal or other distributions received by any Grantor contrary to the provisions of this Section 2.06 shall be held in trust for the benefit of the Collateral Agent, shall be segregated from other property or funds of such Grantor and shall be forthwith delivered to the Collateral Agent upon demand in the same form as so received (with any necessary endorsement). Any and all money and other property paid over to or received by the Collateral Agent pursuant to the provisions of this paragraph (b) shall be retained by the Collateral Agent in an account to be established by the Collateral Agent upon receipt of such money or other property and shall be applied in accordance with the provisions of Section 5.02. After all Events of Default have been cured or waived and the applicable Grantor or Grantors have delivered to the Administrative Agent certificates to that effect, the Collateral Agent shall, promptly after all such Events of Default have been cured or waived, repay to each Grantor (without interest) all dividends, interest, principal or other distributions that such Grantor would otherwise be permitted to retain pursuant to the terms of paragraph (a)(iii) of this Section 2.06 and that remain in such account.

(c) Upon the occurrence and during the continuance of an Event of Default, after the Collateral Agent shall have notified (or shall be deemed to have notified) the Grantors of the suspension of their rights under paragraph (a)(i) of this Section 2.06, then all rights of any Grantor to exercise the voting and consensual rights and powers it is entitled to exercise pursuant to paragraph (a)(i) of this Section 2.06, and the obligations of the Collateral Agent under paragraph (a)(ii) of this Section 2.06, shall cease, and all such rights shall thereupon become vested in the Collateral Agent, which shall have the sole and exclusive right and authority to exercise such voting and consensual rights and powers; provided that, unless otherwise directed by the Required Lenders, the Collateral Agent shall have the right from time to time following and during the continuance of an Event of Default to permit the Grantors to exercise such rights.

(d) Any notice given by the Collateral Agent to the Grantors exercising its rights under paragraph (a) of this Section 2.06 (i) may be given by telephone if promptly confirmed in writing, (ii) may be given to one or more of the Grantors at the same or different times and (iii) may suspend the rights of the Grantors under paragraph (a)(i) or paragraph (a)(iii) in part without suspending all such rights (as specified by the Collateral

[[NYCORP:2443950v16:4430C:11/29/04-01:02 p]]

PATENT

REEL: 016283 FRAME: 0662

PATENT

REEL: 021561 FRAME: 0668



Agent in its sole and absolute discretion) and without waiving or otherwise affecting the Collateral Agent's rights to give additional notices from time to time suspending other rights so long as an Event of Default has occurred and is continuing.

### ARTICLE III

#### Security Interests in Personal Property

**SECTION 3.01. Security Interest.** (a) As security for the payment or performance, as the case may be, in full of the Obligations, each Grantor hereby assigns and pledges to the Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and assigns, for the ratable benefit of the Secured Parties, a security interest (the "Security Interest") in, all right, title or interest in or to any and all of the following assets and properties now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the "Article 9 Collateral"):

- (i) all Accounts;
- (ii) all Chattel Paper;
- (iii) all cash and Deposit Accounts;
- (iv) all Documents;
- (v) all Equipment;
- (vi) all General Intangibles;
- (vii) all Instruments;
- (viii) all Inventory;
- (ix) all Investment Property;
- (x) all Letter-of-Credit Rights;
- (xi) all Commercial Tort Claims;
- (xii) all fixtures;
- (xiii) all books and records pertaining to the Article 9 Collateral; and
- (xiv) to the extent not otherwise included, all Proceeds and products of any and all of the foregoing and all collateral security and guarantees given by any person with respect to any of the foregoing.

Notwithstanding the foregoing, the Article 9 Collateral shall not include any of the following assets now owned or hereafter acquired which would otherwise be included in the Article 9 Collateral: (a) assets transferred to a person that is not a Grantor, and is not required under the Credit Agreement to become a Grantor, in compliance with the Credit Agreement, (b) assets subject to Liens permitted by Section 6.05(i), 6.05(ii)(2), (3) or (4), 6.05(iv) or 6.05(v) of the Credit Agreement to the extent the documentation creating such Liens or governing the Indebtedness secured thereby would prohibit Liens on such assets created hereunder and (c) assets which contain a valid and enforceable prohibition on the creation of a security interest therein to the extent and so long as such prohibition remains in effect and is valid and effective to prohibit the creation of a security interest therein notwithstanding Sections 9-406 through 9-408 of the applicable Uniform Commercial Code (d) Vehicles, (e) aircraft, (f) real estate interests (including but not limited to leasehold interests), other than fixtures, (g) Equity Interests expressly excluded by the proviso to Section 2.01(a), (h) Equity Interests issued by Subsidiaries that are not Material Subsidiaries and that are excluded from the Pledged Collateral and (i) rights created under foreign registrations and applications with respect to Intellectual Property (collectively, the "Excluded Collateral").

(b) Each Grantor hereby irrevocably authorizes the Collateral Agent at any time and from time to time to file in any relevant jurisdiction any initial financing statements with respect to the Article 9 Collateral or any part thereof and amendments thereto that (i) indicate the Article 9 Collateral as all assets of such Grantor or words of similar effect (it being understood that such description shall not result in the creation of a security interest in any assets expressly excluded from the Article 9 Collateral by the immediately preceding paragraph), and (ii) contain the information required by Article 9 of the Uniform Commercial Code of each applicable jurisdiction for the filing of any financing statement or amendment, including (A) whether such Grantor is an organization, the type of organization and any organizational identification number issued to such Grantor and (B) in the case of a financing statement filed as a fixture filing, a sufficient description of the real property to which such Article 9 Collateral relates. Each Grantor agrees to provide information, other than real property descriptions, to the Collateral Agent promptly upon request. It is understood that no Grantor shall have any obligation to provide a real property description for central fixture filings or local fixture filings.

Each Grantor also ratifies its authorization for the Collateral Agent to file in any relevant jurisdiction any initial financing statements or amendments thereto if filed prior to the date hereof.

The Collateral Agent is further authorized to file with the United States Patent and Trademark Office or United States Copyright Office (or any successor office) such documents as may be necessary or advisable for the purpose of perfecting, confirming, continuing, enforcing or protecting the Security Interest granted by each Grantor, without the signature of any Grantor, and naming any Grantor or the Grantors as debtors and the Collateral Agent as secured party.

[NYCORP-2443950-16:4450C:11/29/04-01.02 p]

PATENT  
REEL: 016283 FRAME: 0664

PATENT  
REEL: 021561 FRAME: 0670

(c) The Security Interest is granted as security only and shall not subject the Collateral Agent or any other Secured Party to, or in any way alter or modify, any obligation or liability of any Grantor with respect to or arising out of the Article 9 Collateral.

**SECTION 3.02. Representations and Warranties.** The Grantors jointly and severally represent and warrant to the Collateral Agent and the Secured Parties that:

(a) On the date hereof, each Grantor has good and valid rights in and title to the Article 9 Collateral with respect to which it has purported to grant a Security Interest hereunder and has full power and authority to grant to the Collateral Agent the Security Interest in such Article 9 Collateral pursuant hereto and to execute, deliver and perform its obligations in accordance with the terms of this Agreement, without the consent or approval of any other person other than any consent or approval that has been obtained.

(b) The Effective Date Perfection Certificate has been duly prepared, completed and executed and the information set forth therein (including (x) the exact legal name of each Grantor and (y) the jurisdiction of organization of each Grantor) is correct and complete as of the Effective Date. Uniform Commercial Code financing statements (including fixture filings, as applicable) or other appropriate filings, recordings or registrations containing a description of the Article 9 Collateral have been prepared by the Collateral Agent based upon the information provided to the Administrative Agent in the Effective Date Perfection Certificate for filing in each governmental, municipal or other office specified in Schedule 2 to the Effective Date Perfection Certificate (or specified by notice from the Borrower to the Administrative Agent after the Effective Date in the case of filings, recordings or registrations required by Sections 5.03 or 5.12 of the Credit Agreement), which are all the filings, recordings and registrations (other than filings required to be made in the United States Patent and Trademark Office and the United States Copyright Office in order to perfect the Security Interest in Article 9 Collateral consisting of United States Patents, Trademarks and Copyrights) that are necessary as of the Effective Date to publish notice of and protect the validity of and to establish a legal, valid and perfected security interest in favor of the Collateral Agent (for the ratable benefit of the Secured Parties) in respect of all Article 9 Collateral in which the Security Interest may be perfected by filing, recording or registration in the United States (or any political subdivision thereof) and its territories and possessions, and no further or subsequent filing, refile, recording, rerecording, registration or reregistration is necessary in any such jurisdiction, except as provided under applicable law with respect to the filing of continuation statements. Each Grantor represents and warrants on the date hereof, that a fully executed agreement in the form hereof and containing a description of all Article 9 Collateral consisting of Intellectual Property with respect to United States Patents and United States registered Trademarks (and Trademarks for which United States registration applications are pending) and United States registered Copyrights have been delivered to the Collateral Agent for recording by the United States Patent and Trademark Office

[[NYCORP:2443930v16:4450C:11/29/04-01:02 p]]

**PATENT**

**REEL: 016283 FRAME: 0665**

**PATENT**

**REEL: 021561 FRAME: 0671**

and the United States Copyright Office pursuant to 35 U.S.C. §261, 15 U.S.C. §1060 or 17 U.S.C. §205 and the regulations thereunder, as applicable, and otherwise as may be required pursuant to the laws of any other necessary jurisdiction, to protect the validity of and to establish a legal, valid and perfected security interest in favor of the Collateral Agent (for the ratable benefit of the Secured Parties) in respect of all Article 9 Collateral consisting of Patents, Trademarks and Copyrights in which a security interest may be perfected by filing, recording or registration in the United States (or any political subdivision thereof) and its territories and possessions, and no further or subsequent filing, refile, recording, rerecording, registration or reregistration is necessary (other than such actions as are necessary to perfect the Security Interest with respect to any Article 9 Collateral consisting of Patents, Trademarks and Copyrights (or registration or application for registration thereof) acquired or developed after the date hereof).

(c) The Security Interest constitutes (i) a legal and valid security interest in all the Article 9 Collateral securing the payment and performance of the Obligations, (ii) subject to the filings described in Section 3.02(b), a perfected security interest in all Article 9 Collateral in which a security interest may be perfected by filing, recording or registering a financing statement or analogous document in the United States (or any political subdivision thereof) and its territories and possessions pursuant to the Uniform Commercial Code or other applicable law in such jurisdictions and (iii) a security interest that shall be perfected in all Article 9 Collateral in which a security interest may be perfected upon the receipt and recording of this Agreement with the United States Patent and Trademark Office and the United States Copyright Office, as applicable. The Security Interest is and shall be prior to any other Lien on any of the Article 9 Collateral, other than Liens expressly permitted pursuant to Section 6.05 of the Credit Agreement.

(d) The Article 9 Collateral is owned by the Grantors free and clear of any Lien, except for Liens expressly permitted pursuant to Section 6.05 of the Credit Agreement. None of the Grantors has filed or consented to the filing of (i) any financing statement or analogous document under the Uniform Commercial Code or any other applicable laws covering any Article 9 Collateral, (ii) any assignment in which any Grantor assigns any Collateral or any security agreement or similar instrument covering any Article 9 Collateral with the United States Patent and Trademark Office or the United States Copyright Office or (iii) any assignment in which any Grantor assigns any Article 9 Collateral or any security agreement or similar instrument covering any Article 9 Collateral with any foreign governmental, municipal or other office, which financing statement or analogous document, assignment, security agreement or similar instrument is still in effect, except, in each case, for Liens expressly permitted pursuant to Section 6.02 of the Credit Agreement.

**SECTION 3.03. Covenants.** (a) Each Grantor agrees to maintain, at its own cost and expense, such complete and accurate records with respect to the Article 9

[[NYCORP2443930v16:4450C:11/29/04-01.02 p]]

**PATENT**  
**REEL: 016283 FRAME: 0666**

**PATENT**  
**REEL: 021561 FRAME: 0672**

Collateral as is prudent in the conduct of its business, and, at such time or times as the Collateral Agent may reasonably request, to prepare and deliver as soon as reasonably practicable to the Collateral Agent a duly certified schedule or schedules in form and detail satisfactory to the Collateral Agent showing the identity, amount and location of any and all Article 9 Collateral.

(b) Each Grantor shall, at its own expense, take any and all actions necessary to defend title to the Article 9 Collateral against all persons and to defend the Security Interest of the Collateral Agent in the Article 9 Collateral and the priority thereof against any Lien not expressly permitted pursuant to Section 6.05 of the Credit Agreement. Notwithstanding the foregoing, in no event shall any Grantor be required to provide descriptions of real estate for central fixture filings or local fixture filings.

(c) Each Grantor agrees, at its own expense, to execute, acknowledge, deliver and cause to be duly filed all such further instruments and documents and take all such actions as the Collateral Agent may from time to time request to better assure, preserve, protect and perfect the Security Interest and the rights and remedies created hereby, including the payment of any fees and Taxes required in connection with the execution and delivery of this Agreement, the granting of the Security Interest and the filing of any financing statements (including fixture filings, other than central fixture filings that require a real property description and local fixture filings) or other documents in connection herewith or therewith. Without limiting the generality of the foregoing, each Grantor hereby authorizes the Collateral Agent, with prompt notice thereof to the Grantors, to supplement this Agreement by supplementing Schedule III or adding additional schedules hereto to specifically identify any asset or item that may, in the Collateral Agent's judgment, constitute Copyrights, Licenses, Patents or Trademarks; provided that any Grantor shall have the right, exercisable within 10 days after it has been notified by the Collateral Agent of the specific identification of such Collateral, to advise the Collateral Agent in writing of any material inaccuracy of the representations and warranties made by such Grantor hereunder with respect to such Collateral. Each Grantor agrees that it will use its best efforts to take such action as shall be necessary in order that all representations and warranties hereunder shall be true and correct in all material respects with respect to such Collateral within 30 days after the date it has been notified by the Collateral agent of the specific identification of such Collateral.

(d) The Collateral Agent and such persons as the Collateral Agent may designate shall have the right, at the Grantors' own cost and expense, to inspect the Article 9 Collateral, all records related thereto (and to make extracts and copies from such records) and the premises upon which any of the Article 9 Collateral is located, to discuss the Grantors' affairs with the officers of the Grantors and their independent accountants and to verify under reasonable procedures, in accordance with Section 5.03 of the Credit Agreement, the validity, amount, quality, quantity, value, condition and status of, or any other matter relating to, the Article 9 Collateral, including, in the case of Accounts or Article 9 Collateral in the possession of any third person, by contacting Account Debtors (only during the existence of a Default) or the third person possessing such Article 9 Collateral for the purpose of making such a verification. The Collateral Agent shall have the absolute right to share any information it gains from such inspection

[NYCORP:2443950;16:4450C:11/29/04--01:02 p]]

PATENT  
REEL: 016283 FRAME: 0667

PATENT  
REEL: 021561 FRAME: 0673

or verification with any Secured Party. The rights under this paragraph may only be exercised if an Event of Default has occurred and is continuing.

(e) At its option, the Collateral Agent may discharge past due Taxes, assessments, charges, fees, Liens, security interests or other encumbrances at any time levied or placed on the Article 9 Collateral and not expressly permitted pursuant to Section 6.05 of the Credit Agreement, and may pay for the maintenance and preservation of the Article 9 Collateral to the extent any Grantor fails to do so as required by the Credit Agreement or this Agreement, and each Grantor jointly and severally agrees to reimburse the Collateral Agent on demand for any payment made or any expense incurred by the Collateral Agent pursuant to the foregoing authorization; provided, however, that nothing in this paragraph shall be interpreted as excusing any Grantor from the performance of, or imposing any obligation on the Collateral Agent or any Secured Party to cure or perform, any covenants or other promises of any Grantor with respect to Taxes, assessments, charges, fees, Liens, security interests or other encumbrances and maintenance as set forth herein or in the other Loan Documents.

(f) Upon the occurrence and during the continuance of an Event of Default, if at any time any Grantor shall take a security interest in any property of an Account Debtor or any other person to secure payment and performance of an Account in excess of \$1,000,000, such Grantor shall promptly assign such security interest to the Collateral Agent. Such assignment need not be filed of public record unless necessary to continue the perfected status of the security interest against creditors of and transferees from the Account Debtor or other person granting the security interest.

(g) As between each Grantor, the Collateral Agent and the Secured Parties, each Grantor shall remain liable to observe and perform all the conditions and obligations to be observed and performed by it under each contract, agreement or instrument relating to the Article 9 Collateral, all in accordance with the terms and conditions thereof, and each Grantor jointly and severally agrees to indemnify and hold harmless the Collateral Agent and the Secured Parties from and against any and all liability for such performance.

(h) None of the Grantors shall make or permit to be made an assignment, pledge or hypothecation of the Article 9 Collateral or shall grant any other Lien in respect of the Article 9 Collateral, except as expressly permitted by Section 6.05 of the Credit Agreement. None of the Grantors shall make or permit to be made any transfer of the Article 9 Collateral, except as expressly permitted by Sections 6.07, 6.08, 6.10 and 9.14 of the Credit Agreement.

(i) None of the Grantors will, without the Collateral Agent's prior written consent, grant any extension of the time of payment of any Accounts included in the Article 9 Collateral, compromise, compound or settle the same for less than the full amount thereof, release, wholly or partly, any person liable for the payment thereof or allow any credit or discount whatsoever thereon, other than extensions, credits, discounts, compromises, compoundings or settlements granted or made in good faith in the prudent conduct of the business of such Grantor.

[[NYCORP2443930v16:4450C:11/29/04-01:02 p]]

PATENT  
REEL: 016283 FRAME: 0668

PATENT  
REEL: 021561 FRAME: 0674

(j) The Grantors, at their own expense, shall maintain or cause to be maintained insurance covering physical loss or damage to the Inventory and Equipment in accordance with the requirements set forth in Section 5.07 of the Credit Agreement. Each Grantor irrevocably makes, constitutes and appoints the Collateral Agent (and all officers, employees or agents designated by the Collateral Agent) as such Grantor's true and lawful agent (and attorney-in-fact) for the purpose, upon the occurrence and during the continuance of an Event of Default, of making, settling and adjusting claims in respect of Article 9 Collateral under policies of insurance, endorsing the name of such Grantor on any check, draft, instrument or other item of payment for the proceeds of such policies of insurance and for making all determinations and decisions with respect thereto. In the event that any Grantor at any time or times shall fail to obtain or maintain any of the policies of insurance required hereby or under the Credit Agreement or to pay any premium in whole or part relating thereto, the Collateral Agent may, without waiving or releasing any obligation or liability of the Grantors hereunder or any Event of Default, in its sole discretion, obtain and maintain such policies of insurance and pay such premium and take any other actions with respect thereto as the Collateral Agent deems advisable. All sums disbursed by the Collateral Agent in connection with this paragraph, including attorneys' fees, court costs, expenses and other charges relating thereto, shall be payable, upon demand, by the Grantors to the Collateral Agent and shall be additional Obligations secured hereby.

(k) Each Grantor shall maintain, in form and manner reasonably satisfactory to the Collateral Agent, records of its Chattel Paper and its books, records and documents evidencing or pertaining thereto in accordance with prudent business practices.

**SECTION 3.04. Other Actions.** In order to further insure the attachment, perfection and priority of, and the ability of the Collateral Agent to enforce, the Collateral Agent's security interest in the Article 9 Collateral, each Grantor agrees, in each case at such Grantor's own expense, to take the following actions with respect to the following Article 9 Collateral:

(a) **Instruments.** Upon the occurrence and during the continuance of an Event of Default, if any Grantor shall at any time hold or acquire any Instruments in excess of \$1,000,000, such Grantor shall forthwith endorse, assign and deliver the same to the Collateral Agent, accompanied by such instruments of transfer or assignment duly executed in blank as the Collateral Agent may from time to time specify.

(b) **Deposit Accounts.** Each Grantor shall deposit the net cash proceeds from any sale of Collateral in a Deposit Account (the "Collateral Proceeds Deposit Account"). For each Collateral Proceeds Deposit Account that any Grantor at any time opens or maintains, such Grantor shall either (i) cause the depository bank to agree to comply at any time with instructions from the Collateral Agent to such depository bank directing the disposition of funds from time to time credited to such Collateral Proceeds Deposit Account, without further consent of such Grantor or any other person, pursuant to an agreement in form

and substance satisfactory to the Collateral Agent or (ii) arrange for the Collateral Agent to become the customer of the depository bank with respect to the Collateral Proceeds Deposit Account, and in either case the Grantor will be permitted to withdraw funds from such Collateral Proceeds Deposit Account only with the consent of the Collateral Agent. The Collateral Agent agrees with each Grantor that the Collateral Agent shall not give any such instructions or withhold any withdrawal rights from any Grantor (to the extent such rights are to be exercised in a manner consistent with the Credit Agreement), unless an Event of Default has occurred and is continuing, or, after giving effect to any withdrawal, would occur. The provisions of this paragraph shall not apply to (A) any Collateral Proceeds Deposit Account for which any Grantor, the depository bank and the Collateral Agent have entered into a cash collateral agreement specially negotiated among such Grantor, the depository bank and the Collateral Agent for the specific purpose set forth therein and (B) Collateral Proceeds Deposit Accounts for which the Collateral Agent is the depository. In no event shall a control agreement or a cash collateral agreement be required for any Deposit Account other than a Collateral Proceeds Deposit Account regardless of whether the Collateral Agent is the depository for such Deposit Account.

(c) Investment Property. Except to the extent otherwise provided in Article II, if any Grantor shall at any time hold or acquire any certificated securities, such Grantor shall forthwith endorse, assign and deliver the same to the Collateral Agent, accompanied by such instruments of transfer or assignment duly executed in blank as the Collateral Agent may from time to time specify. If any securities now or hereafter acquired by any Grantor are uncertificated (other than the securities in Software, the limited liability companies and the limited partnerships pledged hereunder) and are issued to such Grantor or its nominee directly by the issuer thereof, such Grantor shall immediately notify the Collateral Agent thereof and, at the Collateral Agent's request and option, pursuant to an agreement in form and substance satisfactory to the Collateral Agent, either (a) cause the issuer to agree to comply with instructions from the Collateral Agent as to such securities, without further consent of any Grantor or such nominee, or (b) arrange for the Collateral Agent to become the registered owner of the securities. If any securities, whether certificated or uncertificated, or other Investment Property now or hereafter acquired by any Grantor are held by such Grantor or its nominee through a Securities Intermediary or Commodity Intermediary, such Grantor shall immediately notify the Collateral Agent thereof and, at the Collateral Agent's request and option, pursuant to an agreement in form and substance satisfactory to the Collateral Agent, either (a) cause such Securities Intermediary or Commodity Intermediary, as the case may be, to agree to comply with Entitlement Orders or other instructions from the Collateral Agent to such Securities Intermediary as to such securities or other Investment Property, or (as the case may be) to apply any value distributed on account of any commodity contract as directed by the Collateral Agent to such Commodity Intermediary, in each case without further consent of any Grantor or such nominee, or (b) in the case of Financial Assets (as governed by Article 8 of the New York UCC) or other Investment Property held through a Securities

[[NYCORP2443950v16:4430C:11/29/04-01:03 p]]

PATENT  
REEL: 016283 FRAME: 0670

PATENT  
REEL: 021561 FRAME: 0676



Intermediary, arrange for the Collateral Agent to become the Entitlement Holder with respect to such Investment Property, with the Grantor being permitted, only with the consent of the Collateral Agent, to exercise rights to withdraw or otherwise deal with such Investment Property. The Collateral Agent agrees with each of the Grantors that the Collateral Agent shall not give any such Entitlement Orders or instructions or directions to any such issuer, Securities Intermediary or Commodity Intermediary, and shall not withhold its consent to the exercise of any withdrawal or dealing rights by any Grantor, unless an Event of Default has occurred and is continuing, or, after giving effect to any such investment and withdrawal rights would occur. The provisions of this paragraph shall not apply to any Financial Assets credited to a Securities Account for which the Collateral Agent is the Securities Intermediary.

(d) Electronic Chattel Paper and Transferable Records. If any Grantor at any time holds or acquires an interest in any Electronic Chattel Paper or any "transferable record," as that term is defined in Section 201 of the Federal Electronic Signatures in Global and National Commerce Act, or in Section 16 of the Uniform Electronic Transactions Act as in effect in any relevant jurisdiction, such Grantor shall promptly notify the Collateral Agent thereof and, at the request of the Collateral Agent, shall take such action as the Collateral Agent may request to vest in the Collateral Agent control under New York UCC Section 9-105 of such Electronic Chattel Paper or control under Section 201 of the Federal Electronic Signatures in Global and National Commerce Act or, as the case may be, Section 16 of the Uniform Electronic Transactions Act, as so in effect in such jurisdiction, of such transferable record. The Collateral Agent agrees with such Grantor that the Collateral Agent will arrange, pursuant to procedures satisfactory to the Collateral Agent and so long as such procedures will not result in the Collateral Agent's loss of control, for the Grantor to make alterations to the Electronic Chattel Paper or transferable record permitted under UCC Section 9-105 or, as the case may be, Section 201 of the Federal Electronic Signatures in Global and National Commerce Act or Section 16 of the Uniform Electronic Transactions Act for a party in control to allow without loss of control, unless an Event of Default has occurred and is continuing or would occur after taking into account any action by such Grantor with respect to such Electronic Chattel Paper or transferable record.

(e) Letter-of-Credit Rights. Upon the occurrence and during the continuance of an Event of Default, if any Grantor is at any time a beneficiary under any letter of credit now or hereafter issued in favor of such Grantor that is in an amount greater than \$5,000,000, such Grantor shall promptly notify the Collateral Agent thereof and, at the request and option of the Collateral Agent, such Grantor shall, pursuant to an agreement in form and substance satisfactory to the Collateral Agent, either (i) arrange for the issuer and any confirmer of such letter of credit to consent to an assignment to the Collateral Agent of the proceeds of any drawing under the letter of credit or (ii) arrange for the Collateral Agent to become the transferee beneficiary of the letter of credit, with the Collateral Agent agreeing, in each case, that the proceeds of any drawing under the letter of credit

[NYCORP:2443850v16:4430C:11/29/04-01:02 p]

PATENT  
REEL: 016283 FRAME: 0671

PATENT  
REEL: 021561 FRAME: 0677

are to be paid to the applicable Grantor unless an Event of Default has occurred or is continuing.

(f) Commercial Tort Claims. If any Grantor shall at any time hold or acquire any Commercial Tort Claims that, individually or in the aggregate, are in an amount greater than \$15,000,000, the Grantor shall, at the time that delivery of any financial statements is required pursuant to Section 5.01(a) or (b) of the Credit Agreement, notify the Collateral Agent thereof in a writing signed by such Grantor including a summary description of such claim and grant to the Collateral Agent in such writing a security interest therein and in the proceeds thereof, all upon the terms of this Agreement, with such writing to be in form and substance satisfactory to the Collateral Agent.

**SECTION 3.05. Covenants regarding Patent, Trademark and Copyright Collateral.** (a) Each Grantor (either itself or through its licensees or sublicensees) agrees, in accordance with the prudent practices of companies similarly situated and in the same or similar businesses, for each Patent that is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, (i) to maintain such Patent so that it will not become invalidated or dedicated to the public and (ii) that it shall continue to mark any products covered by such Patent with the relevant patent number as necessary and sufficient to establish and preserve its maximum rights under applicable patent laws.

(b) Each Grantor (either itself or through its licensees or its sublicensees) will, in accordance with the prudent practices of companies similarly situated and in the same or similar businesses, for each Trademark material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, (i) maintain such Trademark in full force free from any claim of abandonment or invalidity for non-use, (ii) maintain the quality of products and services offered under such Trademark, (iii) display such Trademark with notice of Federal or foreign registration to the extent necessary and sufficient to establish and preserve its maximum rights under applicable law and (iv) not knowingly use or knowingly permit the use of such Trademark in violation of any third party rights.

(c) Each Grantor (either itself or through its licensees or sublicensees) will, in accordance with the prudent practices of companies similarly situated and in the same or similar businesses, for each work covered by a Copyright that is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, continue to publish, reproduce, display, adopt and distribute the work with appropriate copyright notice as necessary and sufficient to establish and preserve its maximum rights under applicable copyright laws.

(d) Each Grantor shall notify the Collateral Agent promptly if it knows or has reason to know that any Patent, Trademark or Copyright that is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, may become abandoned, lost or dedicated to the public, or of any adverse determination or development (including the institution of, or any such determination or development in, any proceeding in the United States Patent and Trademark Office, United States Copyright Office or any court or similar office of any country) regarding such Grantor's

ownership of any such Patent, Trademark or Copyright, its right to register the same, or its right to keep and maintain the same.

(e) In no event shall any Grantor, either itself or through any agent, employee, licensee or designee, file an application for any Patent, Trademark or Copyright (or for the registration of any Trademark or Copyright) with the United States Patent and Trademark Office, United States Copyright Office or any office or agency in any political subdivision of the United States or in any other country or any political subdivision thereof, with respect to any of the same which is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, unless it promptly informs the Collateral Agent, and, upon the reasonable request of the Collateral Agent, executes and delivers any and all agreements, instruments, documents and papers as the Collateral Agent may request to evidence the Collateral Agent's security interest in such Patent, Trademark or Copyright, and each Grantor hereby appoints the Collateral Agent as its attorney-in-fact to execute and file such writings for the foregoing purposes, all acts of such attorney being hereby ratified and confirmed; such power, being coupled with an interest, is irrevocable.

(f) Each Grantor will take all necessary steps that it deems appropriate under the circumstances and are consistent with the practice in any proceeding before the United States Patent and Trademark Office, United States Copyright Office or any office or agency in any political subdivision of the United States or in any other country or any political subdivision thereof, to maintain and pursue each application relating to any Patent, Trademark and/or Copyright (and to obtain the relevant grant or registration) that is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, and to maintain each issued Patent and each registration of the Trademarks and Copyrights that is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, including timely filings of applications for renewal, affidavits of use, affidavits of incontestability and payment of maintenance fees, and, if consistent with good business judgment, to initiate opposition, interference and cancellation proceedings against third parties.

(g) In the event that any Grantor knows or has reason to believe that any Article 9 Collateral consisting of a Patent, Trademark or Copyright that is material to the conduct of the business of Level 3 and its Subsidiaries, taken as a whole, has been or is about to be infringed, misappropriated or diluted by a third party, such Grantor promptly shall notify the Collateral Agent and shall, if consistent with its good business judgment, promptly sue for infringement, misappropriation or dilution and to recover any and all damages for such infringement, misappropriation or dilution, and take such other actions as are appropriate under the circumstances to protect such Article 9 Collateral. Such Grantor may discontinue or settle any such suit or other action if the Grantor deems such discontinuance or settlement to be appropriate in its reasonable business judgment.

(h) Upon the occurrence and during the continuance of an Event of Default, each Grantor shall, at the request of the Collateral Agent, use its best efforts to obtain all requisite consents or approvals by the licensor of each Copyright License,

[NYCORP:2443930v16-4450C:11/29/04-01:02 p]

PATENT  
REEL: 016283 FRAME: 0673

PATENT  
REEL: 021561 FRAME: 0679

Patent License or Trademark License to effect the assignment of all such Grantor's right, title and interest thereunder to the Collateral Agent or its designee.

#### ARTICLE IV

##### Remedies

**SECTION 4.01. Remedies Upon Default.** Upon the occurrence and during the continuance of an Event of Default, each Grantor agrees to deliver each item of Collateral to the Collateral Agent on demand, and it is agreed that the Collateral Agent shall have the right to take any of or all the following actions at the same or different times: (a) with respect to any Article 9 Collateral consisting of Intellectual Property, on demand, to cause the Security Interest to become an assignment, transfer and conveyance of any of or all such Article 9 Collateral by the applicable Grantors to the Collateral Agent, or to license or sublicense, whether general, special or otherwise, and whether on an exclusive or nonexclusive basis, any such Article 9 Collateral throughout the world on such terms and conditions and in such manner as the Collateral Agent shall determine (other than in violation of any then-existing licensing arrangements to the extent that waivers cannot be obtained), (b) with or without legal process and with or without prior notice or demand for performance, to take possession of the Article 9 Collateral and without liability for trespass to enter any premises where the Article 9 Collateral may be located for the purpose of taking possession of or removing the Article 9 Collateral and, generally, to exercise any and all rights afforded to a secured party under the Uniform Commercial Code or other applicable law and (c) with respect to any of the Pledged Debt Securities, to demand payment of the principal of and interest on any Pledged Debt Securities (each Grantor hereby irrevocably making, constituting and appointing the Collateral Agent as such Grantor's true and lawful agent and attorney-in-fact for such purpose). Without limiting the generality of the foregoing, each Grantor agrees that the Collateral Agent shall have the right, subject to the mandatory requirements of applicable law, to sell or otherwise dispose of all or any part of the Collateral at a public or private sale or at any broker's board or on any securities exchange, for cash, upon credit or for future delivery as the Collateral Agent shall deem appropriate. The Collateral Agent shall be authorized at any such sale (if it deems it advisable to do so) to restrict the prospective bidders or purchasers to persons who will represent and agree that they are purchasing the Collateral for their own account for investment and not with a view to the distribution or sale thereof, and upon consummation of any such sale the Collateral Agent shall have the right to assign, transfer and deliver to the purchaser or purchasers thereof the Collateral so sold. Each such purchaser at any such sale shall hold the property sold absolutely, free from any claim or right on the part of any Grantor, and the Grantors hereby waive (to the extent permitted by law) all rights of redemption, stay and appraisal which such Grantor now has or may at any time in the future have under any rule of law or statute now existing or hereafter enacted.

The Collateral Agent shall give the applicable Grantors 10 days' written notice (which each Grantor agrees is reasonable notice within the meaning of Section 9-611 of the New York UCC or its equivalent in other jurisdictions) of the Collateral Agent's intention to make any sale of Collateral. Such notice, in the case of a

[NYCORP-2443950-16-4450C:11/29/04-01.02 p]]

PATENT  
REEL: 016283 FRAME: 0674

PATENT  
REEL: 021561 FRAME: 0680

public sale, shall state the time and place for such sale and, in the case of a sale at a broker's board or on a securities exchange, shall state the board or exchange at which such sale is to be made and the day on which the Collateral, or portion thereof, will first be offered for sale at such board or exchange. Any such public sale shall be held at such time or times within ordinary business hours and at such place or places as the Collateral Agent may fix and state in the notice (if any) of such sale. At any such sale, the Collateral, or portion thereof, to be sold may be sold in one lot as an entirety or in separate parcels, as the Collateral Agent may (in its sole and absolute discretion) determine. The Collateral Agent shall not be obligated to make any sale of any Collateral if it shall determine not to do so, regardless of the fact that notice of sale of such Collateral shall have been given. The Collateral Agent may, without notice or publication, adjourn any public or private sale or cause the same to be adjourned from time to time by announcement at the time and place fixed for sale, and such sale may, without further notice, be made at the time and place to which the same was so adjourned. In case any sale of all or any part of the Collateral is made on credit or for future delivery, the Collateral so sold may be retained by the Collateral Agent until the sale price is paid by the purchaser or purchasers thereof, but the Collateral Agent shall not incur any liability in case any such purchaser or purchasers shall fail to take up and pay for the Collateral so sold and, in case of any such failure, such Collateral may be sold again upon like notice. At any public (or, to the extent permitted by law, private) sale made pursuant to this Section, any Secured Party may bid for or purchase, free (to the extent permitted by law) from any right of redemption, stay, valuation or appraisal on the part of any Grantor (all said rights being also hereby waived and released to the extent permitted by law), the Collateral or any part thereof offered for sale and may make payment on account thereof by using any claim then due and payable to such Secured Party from any Grantor as a credit against the purchase price, and such Secured Party may, upon compliance with the terms of sale, hold, retain and dispose of such property without further accountability to any Grantor therefor. For purposes hereof, a written agreement to purchase the Collateral or any portion thereof shall be treated as a sale thereof; the Collateral Agent shall be free to carry out such sale pursuant to such agreement and no Grantor shall be entitled to the return of the Collateral or any portion thereof subject thereto, notwithstanding the fact that after the Collateral Agent shall have entered into such an agreement all Events of Default shall have been remedied and the Obligations paid in full. As an alternative to exercising the power of sale herein conferred upon it, the Collateral Agent may proceed by a suit or suits at law or in equity to foreclose this Agreement and to sell the Collateral or any portion thereof pursuant to a judgment or decree of a court or courts having competent jurisdiction or pursuant to a proceeding by a court-appointed receiver. Any sale pursuant to the provisions of this Section 4.01 shall be deemed to conform to the commercially reasonable standards as provided in Section 9-610(b) of the New York UCC or its equivalent in other jurisdictions.

**SECTION 4.02. Application of Proceeds.** The Collateral Agent shall apply the proceeds of any collection, sale, foreclosure or other realization upon any Collateral, including any Collateral consisting of cash, as follows:

[[NYCORP:2443990v16:4430C:11/29/04--01.02 p]]

**PATENT**  
**REEL: 016283 FRAME: 0675**

**PATENT**  
**REEL: 021561 FRAME: 0681**

FIRST, to the payment of all costs and expenses incurred by the Administrative Agent or the Collateral Agent (in their capacity as such hereunder or under any other Loan Document) in connection with such collection, sale, foreclosure or realization or otherwise in connection with this Agreement, any other Loan Document or any of the Obligations, including all court costs and the fees and expenses of its agents and legal counsel, the repayment of all advances made by the Administrative Agent hereunder or under any other Loan Document on behalf of any Grantor and any other costs or expenses incurred in connection with the exercise of any right or remedy hereunder or under any other Loan Document;

SECOND, to the payment in full of the Obligations (the amounts so applied to be distributed among the Secured Parties pro rata in accordance with the amounts of the Obligations owed to them on the date of any such distribution); and

THIRD, to the Grantors, their successors or assigns, or as a court of competent jurisdiction may otherwise direct.

The Collateral Agent shall have absolute discretion (as between the Secured Parties and the Grantors) as to the time of application of any such proceeds, moneys or balances in accordance with this Agreement. Upon any sale of Collateral by the Collateral Agent (including pursuant to a power of sale granted by statute or under a judicial proceeding), the receipt of the Collateral Agent or of the officer making the sale shall be a sufficient discharge to the purchaser or purchasers of the Collateral so sold and such purchaser or purchasers shall not be obligated to see to the application of any part of the purchase money paid over to the Collateral Agent or such officer or be answerable in any way for the misapplication thereof.

**SECTION 4.03. Grant of License to Use Intellectual Property.** For the purpose of enabling the Collateral Agent to exercise rights and remedies under this Article at such time as the Collateral Agent shall be lawfully entitled to exercise such rights and remedies, each Grantor hereby grants to the Collateral Agent an irrevocable, nonexclusive license (exercisable without payment of royalty or other compensation to the Grantors) to use, license or sublicense any of the Article 9 Collateral consisting of Intellectual Property now owned or hereafter acquired by such Grantor, and wherever the same may be located, and including in such license access to all media in which any of the licensed items may be recorded or stored and to all computer software and programs used for the compilation or printout thereof. The use of such license by the Collateral Agent shall be exercised, at the option of the Collateral Agent, only upon the occurrence and during the continuation of an Event of Default; provided, however, that any license, sublicense or other transaction entered into by the Collateral Agent in accordance herewith shall be binding upon the Grantors notwithstanding any subsequent cure of an Event of Default.

**SECTION 4.04. Securities Act, etc.** In view of the position of the Grantors in relation to the Pledged Collateral, or because of other current or future

[NYCORP:2443950v16:4430C:11/29/04-01:02 p]]

PATENT  
REEL: 016283 FRAME: 0676

PATENT  
REEL: 021561 FRAME: 0682

circumstances, a question may arise under the Securities Act of 1933, as now or hereafter in effect, or any similar statute hereafter enacted analogous in purpose or effect (such Act and any such similar statute as from time to time in effect being called the "Federal Securities Laws") with respect to any disposition of the Pledged Collateral permitted hereunder. Each Grantor understands that compliance with the Federal Securities Laws might very strictly limit the course of conduct of the Collateral Agent if the Collateral Agent were to attempt to dispose of all or any part of the Pledged Collateral, and might also limit the extent to which or the manner in which any subsequent transferee of any Pledged Collateral could dispose of the same. Similarly, there may be other legal restrictions or limitations affecting the Collateral Agent in any attempt to dispose of all or part of the Pledged Collateral under applicable "blue sky" or other state securities laws or similar laws analogous in purpose or effect. Each Grantor recognizes that in light of such restrictions and limitations the Collateral Agent may, with respect to any sale of the Pledged Collateral, limit the purchasers to those who will agree, among other things, to acquire such Pledged Collateral for their own account, for investment, and not with a view to the distribution or resale thereof. Each Grantor acknowledges and agrees that in light of such restrictions and limitations, the Collateral Agent, in its sole and absolute discretion (a) may proceed to make such a sale whether or not a registration statement for the purpose of registering such Pledged Collateral or part thereof shall have been filed under the Federal Securities Laws and (b) may approach and negotiate with such number of purchasers as the Collateral Agent determines to be reasonable to effect such sale. Each Grantor acknowledges and agrees that any such sale might result in prices and other terms less favorable to the seller than if such sale were a public sale without such restrictions. In the event of any such sale, the Collateral Agent shall incur no responsibility or liability for selling all or any part of the Pledged Collateral at a price that the Collateral Agent, in its sole and absolute discretion, may in good faith deem reasonable under the circumstances, notwithstanding the possibility that a substantially higher price might have been realized if the sale were deferred until after registration as aforesaid or if more than a single purchaser were approached. The provisions of this Section 5.04 will apply notwithstanding the existence of a public or private market upon which the quotations or sales prices may exceed substantially the price at which the Collateral Agent sells.

## ARTICLE V

### Miscellaneous

**SECTION 5.01. Notices.** All communications and notices hereunder shall (except as otherwise expressly permitted herein) be in writing and given as provided in Section 9.01 of the Credit Agreement. All communications and notices hereunder to any Grantor shall be given to it in care of the Borrower as provided in Section 9.01 of the Credit Agreement.

**SECTION 5.02. Security Interest Absolute.** All rights of the Collateral Agent hereunder, the Security Interest, the grant of a security interest in the Pledged Collateral and all obligations of each Grantor hereunder shall be absolute and unconditional irrespective of (a) any lack of validity or enforceability of the Credit

[[NYCORP:2443950v16:4450C:11/29/04-01:02 p]]

PATENT

REEL: 016283 FRAME: 0677

PATENT

REEL: 021561 FRAME: 0683

Agreement, any other Loan Document, any agreement with respect to any of the Obligations or any other agreement or instrument relating to any of the foregoing, (b) any change in the time, manner or place of payment of, or in any other term of, all or any of the Obligations, or any other amendment or waiver of or any consent to any departure from the Credit Agreement, any other Loan Document or any other agreement or instrument, (c) any exchange, release or non-perfection of any Lien on other collateral, or any release or amendment or waiver of or consent under or departure from any guarantee, securing or guaranteeing all or any of the Obligations, or (d) any other circumstance that might otherwise constitute a defense available to, or a discharge of, any Grantor in respect of the Obligations or this Agreement.

**SECTION 5.03. Survival of Agreement.** All covenants, agreements, representations and warranties made by the Loan Parties in the Loan Documents and in the certificates or other instruments prepared or delivered in connection with or pursuant to this Agreement or any other Loan Document shall be considered to have been relied upon by the other parties hereto and shall survive the execution and delivery of the Loan Documents and the making of any Loans, regardless of any investigation made by any such other party or on its behalf and notwithstanding that the Collateral Agent or any Lender may have had notice or knowledge of any Default or incorrect representation or warranty at the time any credit is extended under the Credit Agreement, and shall continue in full force and effect as long as the principal of or any accrued interest on any Loan or any fee or any other amount payable under any Loan Document is outstanding.

**SECTION 5.04. Binding Effect; Several Agreement.** This Agreement shall become effective as to any Loan Party when a counterpart hereof executed on behalf of such Loan Party shall have been delivered to the Collateral Agent and a counterpart hereof shall have been executed on behalf of the Collateral Agent, and thereafter shall be binding upon such Loan Party and the Collateral Agent and their respective permitted successors and assigns, and shall inure to the benefit of such Loan Party, the Collateral Agent and the other Secured Parties and their respective successors and assigns, except that no Loan Party shall have the right to assign or transfer its rights or obligations hereunder or any interest herein or in the Collateral (and any such assignment or transfer shall be void) except as expressly contemplated by this Agreement or the Credit Agreement. This Agreement shall be construed as a separate agreement with respect to each Loan Party and may be amended, modified, supplemented, waived or released with respect to any Loan Party without the approval of any other Loan Party and without affecting the obligations of any other Loan Party hereunder.

**SECTION 5.05. Successors and Assigns.** Whenever in this Agreement any of the parties hereto is referred to, such reference shall be deemed to include the permitted successors and assigns of such party; and all covenants, promises and agreements by or on behalf of any Grantor or the Collateral Agent that are contained in this Agreement shall bind and inure to the benefit of their respective successors and assigns.

**SECTION 5.06. Collateral Agent's Fees and Expenses; Indemnification.**  
(a) The parties hereto agree that the Collateral Agent shall be entitled to reimbursement

[NYCORP:2445950v16:4450C:11/29/04--01.02 p1]

PATENT  
REEL: 016283 FRAME: 0678

PATENT  
REEL: 021561 FRAME: 0684



of its expenses incurred hereunder to the extent provided in Section 9.03 of the Credit Agreement.

(b) Without limitation of its indemnification obligations under the other Loan Documents, each Grantor jointly and severally agrees to indemnify the Collateral Agent and the other Indemnitees against, and hold each Indemnitee harmless to the extent set forth in Section 9.03(b) of the Credit Agreement.

(c) Any such amounts payable as provided hereunder shall be additional Obligations secured hereby and by the other Security Documents. The provisions of this Section 5.06 shall remain operative and in full force and effect regardless of the termination of this Agreement or any other Loan Document, the consummation of the transactions contemplated hereby, the repayment of any of the Obligations, the invalidity or unenforceability of any term or provision of this Agreement or any other Loan Document, or any investigation made by or on behalf of the Collateral Agent or any other Secured Party. All amounts due under this Section 5.06 shall be payable on written demand therefor and shall bear interest at the rate specified in Section 2.06 of the Credit Agreement.

**SECTION 5.07. Collateral Agent Appointed Attorney-in-Fact.** Each Grantor hereby appoints the Collateral Agent as the attorney-in-fact of such Grantor for the purpose of carrying out the provisions of this Agreement and taking any action and executing any instrument that the Collateral Agent may deem necessary or advisable to accomplish the purposes hereof, which appointment is irrevocable and coupled with an interest. Without limiting the generality of the foregoing, the Collateral Agent shall have the right, upon the occurrence and during the continuance of an Event of Default, with full power of substitution either in the Collateral Agent's name or in the name of such Grantor (a) to receive, endorse, assign and/or deliver any and all notes, acceptances, checks, drafts, money orders or other evidences of payment relating to the Collateral or any part thereof; (b) to demand, collect, receive payment of, give receipt for and give discharges and releases of all or any of the Collateral; (c) to sign the name of any Grantor on any invoice or bill of lading relating to any of the Collateral; (d) to send verifications of Accounts Receivable to any Account Debtor; (e) to commence and prosecute any and all suits, actions or proceedings at law or in equity in any court of competent jurisdiction to collect or otherwise realize on all or any of the Collateral or to enforce any rights in respect of any Collateral; (f) to settle, compromise, compound, adjust or defend any actions, suits or proceedings relating to all or any of the Collateral; (g) to notify, or to require any Grantor to notify, Account Debtors to make payment directly to the Collateral Agent; and (h) to use, sell, assign, transfer, pledge, make any agreement with respect to or otherwise deal with all or any of the Collateral, and to do all other acts and things necessary to carry out the purposes of this Agreement, as fully and completely as though the Collateral Agent were the absolute owner of the Collateral for all purposes; provided, however, that nothing herein contained shall be construed as requiring or obligating the Collateral Agent to make any commitment or to make any inquiry as to the nature or sufficiency of any payment received by the Collateral Agent, or to present or file any claim or notice, or to take any action with respect to the Collateral or any part thereof or the moneys due or to become due in respect thereof or any property covered thereby.

[NYCORP:2443950v16:4450C:11/29/04-01:02 p]

**PATENT**  
**REEL: 016283 FRAME: 0679**

**PATENT**  
**REEL: 021561 FRAME: 0685**

The Collateral Agent and the other Secured Parties shall be accountable only for amounts actually received as a result of the exercise of the powers granted to them herein, and neither they nor their officers, directors, employees or agents shall be responsible to any Grantor for any act or failure to act hereunder, except for their own gross negligence or willful misconduct.

**SECTION 5.08. Applicable Law. THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.**

**SECTION 5.09. Waivers; Amendment.** (a) No failure or delay by the Collateral Agent or any Lender in exercising any right or power hereunder or under any other Loan Document shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or power, or any abandonment or discontinuance of steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power. The rights and remedies of the Collateral Agent and the Lenders hereunder and under the other Loan Documents are cumulative and are not exclusive of any rights or remedies that they would otherwise have. No waiver of any provision of any Loan Document or consent to any departure by any Loan Party therefrom shall in any event be effective unless the same shall be permitted by paragraph (b) of this Section, and then such waiver or consent shall be effective only in the specific instance and for the purpose for which given. Without limiting the generality of the foregoing, the making of a Loan shall not be construed as a waiver of any Default, regardless of whether the Collateral Agent or any Lender may have had notice or knowledge of such Default at the time. No notice or demand on any Loan Party in any case shall entitle any Loan Party to any other or further notice or demand in similar or other circumstances.

(b) Neither this Agreement nor any provision hereof may be waived, amended or modified except pursuant to an agreement or agreements in writing entered into by the Collateral Agent and the Loan Party or Loan Parties with respect to which such waiver, amendment or modification is to apply, subject to any consent required in accordance with Section 9.02 of the Credit Agreement.

**SECTION 5.10. WAIVER OF JURY TRIAL.** EACH PARTY HERETO HEREBY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY OF THE OTHER LOAN DOCUMENTS. EACH PARTY HERETO (A) CERTIFIES THAT NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER AND (B) ACKNOWLEDGES THAT IT AND THE OTHER PARTIES HERETO HAVE BEEN INDUCED TO ENTER INTO THIS AGREEMENT AND THE OTHER LOAN DOCUMENTS, AS APPLICABLE, BY, AMONG OTHER

[[NYCORP2443950v16:4450C:11/29/04--01:02 p]]

**PATENT**  
**REEL: 016283 FRAME: 0680**

**PATENT**  
**REEL: 021561 FRAME: 0686**

**THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 5.10.**

**SECTION 5.11. Severability.** In the event any one or more of the provisions contained in this Agreement or in any other Loan Document should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and therein shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

**SECTION 5.12. Counterparts.** This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original but all of which when taken together shall constitute a single contract, and shall become effective as provided in Section 5.04. Delivery of an executed signature page to this Agreement by facsimile transmission shall be as effective as delivery of a manually signed counterpart of this Agreement.

**SECTION 5.13. Headings.** Article and Section headings and the Table of Contents used herein are for convenience of reference only, are not part of this Agreement and are not to affect the construction of, or to be taken into consideration in interpreting, this Agreement.

**SECTION 5.14. Jurisdiction; Consent to Service of Process.** (a) Each of the Loan Parties hereby irrevocably and unconditionally submits, for itself and its property, to the nonexclusive jurisdiction of any New York State court or Federal court of the United States of America, sitting in New York City, and any appellate court from any thereof, in any action or proceeding arising out of or relating to this Agreement or any other Loan Document, or for recognition or enforcement of any judgment, and each of the Loan Parties hereby irrevocably and unconditionally agrees that all claims in respect of any such action or proceeding may be heard and determined in such New York State or, to the extent permitted by law, in such Federal court. Each of the Loan Parties agrees that a final judgment in any such action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law. Nothing in this Agreement or any other Loan Document shall affect any right that the Collateral Agent or any Lender may otherwise have to bring any action or proceeding relating to this Agreement or any other Loan Document against any Loan Party or its properties in the courts of any jurisdiction.

(b) Each of the Loan Parties hereby irrevocably and unconditionally waives, to the fullest extent it may legally and effectively do so, any objection which it may now or hereafter have to the laying of venue of any suit, action or proceeding arising out of or relating to this Agreement or any other Loan Document in any court referred to in paragraph (a) of this Section. Each of the Loan Parties hereby irrevocably waives, to

[[NYCORP:2443950v16:4430C;11/25/04-01:02 p]]

**PATENT  
REEL: 016283 FRAME: 0681**

**PATENT  
REEL: 021561 FRAME: 0687**

the fullest extent permitted by law, the defense of an inconvenient forum to the maintenance of such action or proceeding in any such court.

(c) Each of the Loan Parties hereby irrevocably consents to service of process in the manner provided for notices in Section 5.01. Nothing in this Agreement or any other Loan Document will affect the right of the Collateral Agent to serve process in any other manner permitted by law.

**SECTION 5.15. Termination or Release.** (a) This Agreement and the Security Interest and all other security interests granted hereby shall terminate when all the Obligations (other than wholly contingent indemnification obligations) then due and owing have been indefeasibly paid in full.

(b) The Liens created by this Agreement in the Collateral or any portion thereof shall be released under the circumstances, at the times and in the manner set forth in Section 9.14 of the Credit Agreement.

(c) In connection with any termination or release pursuant to paragraph (a), (b) or (c) above, the Collateral Agent shall execute and deliver to any Grantor, at such Grantor's expense, all documents that such Grantor shall reasonably request to evidence such termination or release. Any execution and delivery of documents pursuant to this Section 5.15 shall be without recourse to or warranty by the Collateral Agent. Without limiting the provisions of Section 5.06, the Borrower shall reimburse the Collateral Agent upon demand for all costs and out of pocket expenses, including the fees, charges and disbursements of counsel, incurred by it in connection with any action contemplated by this Section 5.15.

**SECTION 5.16. Additional Grantors.** Upon the execution and delivery by the Collateral Agent and a Subsidiary of a supplement in the form of Exhibit A hereto, such Subsidiary shall become a Subsidiary Grantor hereunder with the same force and effect as if originally named as a Subsidiary Grantor herein. The execution and delivery of any such instrument shall not require the consent of any other Loan Party hereunder. The rights and obligations of each Subsidiary Grantor hereunder shall remain in full force and effect notwithstanding the addition of any new Loan Party as a party to this Agreement.

**SECTION 5.17. Right of Setoff.** If an Event of Default shall have occurred and is continuing, each Lender and each of its Affiliates is hereby authorized at any time and from time to time, to the fullest extent permitted by law, to set off and apply any and all deposits (general or special, time or demand, provisional or final) at any time held and other obligations at any time owing by such Lender or Affiliate to or for the credit or the account of any Grantor against any and all of the obligations of such Grantor now or hereafter existing under this Agreement held by such Lender, irrespective of whether or not such Lender shall have made any demand under this Agreement and although such obligations may be unmatured. The rights of each Lender under this Section are in addition to other rights and remedies (including other rights of setoff) which such Lender may have.

[NYCORP-2443930v16:4450C:11/29/04-01:02 p]]

PATENT  
REEL: 016283 FRAME: 0682

PATENT  
REEL: 021561 FRAME: 0688

**SECTION 5.18. Compliance with Laws.** Notwithstanding anything herein to the contrary, no action shall be taken by the Collateral Agent or the Secured Parties with respect to any license, permit, certificate or authorization issued by the Federal Communications Commission or any other Federal or state Governmental Authority applicable to or having jurisdiction over any Grantor, or with respect to the Equity Interests of any Person holding any such license, permit, certificate or authorization, unless and until any approval required for such action under the Federal Communications Act of 1934 or any other applicable Federal or state law, or any applicable rule or regulation thereunder, shall have been satisfied.

**SECTION 5.19. Consent by Grantors.** Each Grantor hereby consents to the execution, delivery and performance by each other party hereto that is a direct or an indirect Subsidiary of such Grantor.

**SECTION 5.20. Conflicts.** In the event that there is a conflict between this Agreement and the Credit Agreement, the Credit Agreement shall govern.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

LEVEL 3 COMMUNICATIONS, INC.,  
LEVEL 3 FINANCING, INC.,  
SOFTWARE SPECTRUM, INC.,  
ELDORADO MARKETING, INC.,  
LEVEL 3 ENHANCED SERVICES, LLC,  
LEVEL 3 INTERNATIONAL, INC.,  
BTE EQUIPMENT, LLC, and  
(i)STRUCTURE LLC,

by

  
Name: Neil Eckstein  
Title: Assistant General Counsel

MERRILL LYNCH CAPITAL  
CORPORATION, as Collateral Agent,

by

\_\_\_\_\_  
Name:  
Title:

PATENT  
REEL: 016283 FRAME: 0684

PATENT  
REEL: 021561 FRAME: 0690

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

LEVEL 3 COMMUNICATIONS, INC.,  
LEVEL 3 FINANCING, INC.,  
SOFTWARE SPECTRUM, INC.,  
ELDORADO MARKETING, INC.,  
LEVEL 3 ENHANCED SERVICES, LLC,  
LEVEL 3 INTERNATIONAL, INC.,  
BTE EQUIPMENT, LLC, and  
(i)STRUCTURE LLC,

by

\_\_\_\_\_  
Name:  
Title:

MERRILL LYNCH CAPITAL  
CORPORATION, as Collateral Agent,

by

Cécile Baker  
Name: Cécile Baker  
Title: Vice President

PATENT  
REEL: 016283 FRAME: 0685

PATENT  
REEL: 021561 FRAME: 0691

Schedule I to  
Collateral Agreement

2703462.4

**SUBSIDIARY GRANTORS**

(i)Structure, LLC	Delaware	Limited liability company
BTE Equipment, LLC	Delaware	Limited liability company
Level 3 International, Inc.	Delaware	Corporation
Eldorado Marketing, Inc.	Delaware	Corporation
Level 3 Enhanced Services, LLC	Delaware	Limited liability company
Software Spectrum, Inc.	Delaware	Corporation

PATENT  
REEL: 016283 FRAME: 0686

PATENT  
REEL: 021561 FRAME: 0692



**Schedule II to  
the Collateral  
Agreement**

**CAPITAL STOCK**

CAPITAL STOCK				
Level 3 Financing, Inc.	P-4	Level 3 Communications, Inc.	5,000 Cumulative Preferred	100%
Level 3 Financing, Inc.	C-4	Level 3 Communications, Inc.	42,815 Common	100%
(i)Structure, LLC	Not certificated	Level 3 Financing, Inc.		100%
BTE Equipment, LLC	Not certificated	Level 3 Financing, Inc.		100%
Level 3 Communications, LLC	Not certificated	Level 3 Financing, Inc.		100%
Level 3 Communications Canada Co.	3	Level 3 Financing, Inc.	65 Common	65%
Level 3 International Inc.	3	Level 3 Financing, Inc.	1,000 Common	100%
Eldorado Marketing, Inc.	2	Level 3 Financing, Inc.	100 Common	100%
Level 3 Enhanced Services, LLC	Not certificated	Level 3 Financing, Inc.		100%
Software Spectrum, Inc.	Not certificated	Eldorado Marketing, Inc.		100%

**DEBT SECURITIES**

DEBT SECURITIES				
Borrower	Level 3 LLC	\$730,000,000	12/1/04	On demand
Borrower	Level 3 LLC	\$500,000,000	10/1/03	On demand
Level 3	Level 3 LLC	\$11,900,000,000	12/8/99	On demand

**Exhibit B to  
Collateral Agreement**

**U.S. COPYRIGHTS OWNED BY ALL GRANTORS**

**NONE.**

**-3-**

**PATENT  
REEL: 016283 FRAME: 0688**

**PATENT  
REEL: 021561 FRAME: 0694**

Exhibit B to  
Collateral Agreement

U.S. PATENTS OWNED BY ALL GRANTORS

Issue Date	Expiration Date	Matter Name (Title of Invention)	Issued Patent Number	Owner(s)
9/2/2003	11/20/2018	Voice Over Data Telecommunications Network Architecture	6614781	Level 3 Communications, Inc.
8/27/2002	11/20/2018	System and Method for Bypassing Data from Egress Facilities	6442169	Level 3 Communications, Inc.
4/20/2004	3/21/2020	System and Methods for Analyzing Network Traffic	6725263	Level 3 Communications, Inc.
11/16/2004	4/25/2021	Verifiable Voting	6817515	Level 3 Communications, Inc.
8/17/2004	12/12/2017	Network Architecture with Event Logging	6779031	Level 3 Communications, Inc.
8/1/2001		Method and System for Monitoring Broadband Quality of Services	6097699	Verizon & Level 3 Communications, Inc.
9/12/1989		Method of Multiplex/Demultiplex Processing of Information and Equipment for Performing the Method	4866711	Verizon & Level 3 Communications, Inc.
4/24/1990		Distributed Security Procedure for Intelligent Networks	4919545	Verizon & Level 3 Communications, Inc.
7/24/1990		Floating Point Processor Employing Counter Controlled Shifting	4943941	BBNT Solutions, LLC & Level 3 Communications, Inc.
8/20/1991		Memory Accessing Switch Network	5041971	BBNT Solutions, LLC & Level 3 Communications, Inc.

10/13/1992		Method of Coupling a Data Transmitter Unit to a Signal Line and Apparatus for Performing the Invention	5155727	BBNT Solutions, LLC & Level 3 Communications, Inc.
12/7/1993		Data Communication System	5268931	Verizon & Level 3 Communications, Inc.
4/5/1994		Computer Resource Managing System	5301337	Verizon & Level 3 Communications, Inc.
6/7/1994		Embedded Signaling	5319735	BBNT Solutions, LLC & Level 3 Communications, Inc.
6/7/1994		Scheduling	5319781	BBNT Solutions, LLC & Level 3 Communications, Inc.
10/28/1997		Centralized Computer Event Data Logging System	5682328	BBNT Solutions, LLC & Level 3 Communications, Inc.
3/31/1998		Data Packet Router	5734649	BBNT Solutions, LLC & Level 3 Communications, Inc.
12/8/1998		Improved System and Method for Genetic Algorithm Scheduling Systems	5848403	BBNT Solutions, LLC & Level 3 Communications, Inc.
2/8/2000		Voice Activated Relational Database System Providing User Assistance	6023697	BBNT Solutions, LLC & Level 3 Communications, Inc.
4/11/2000		Methods and Apparatus for Integrating Services for Accessing the World Wide Web	6049831	Verizon & Level 3 Communications, Inc.
5/9/2000		Method and Apparatus for Estimating Source-Destination Traffic in a Packet-Switched Communications Network	6061331	Verizon & Level 3 Communications, Inc.

8/1/2000		Method and System for Monitoring Broadband Quality of Services	6097699	Verizon & Level 3 Communications, Inc.
11/7/2000		Multi-Tenant Unit	6144638	BBNT Solutions, LLC & Level 3 Communications, Inc.
11/14/2000		Quality of Service Management for Aggregated Flows in a Network	6147970	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
12/12/2000		Data Packet Router	6160811	BBNT Solutions, LLC & Level 3 Communications, Inc.
12/12/2000		Method and Apparatus for Multiplexing Bytes Over Parallel Communication Links Using Data Slices	6160819	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
1/16/2001		Networked Collaborative Musical Environment	6175872	BBNT Solutions, LLC & Level 3 Communications, Inc.
2/6/2001		Virtual Circuit Management For Multi-Point Delivery in a Network System	6185210	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
2/6/2001		Distributed Computing System and Method for Distributing User Requests to Replicated Network Servers	6185619	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
9/18/2001		Method and Apparatus for Digital Subscriber Loop Qualification	6292539	Verizon & Level 3 Communications, Inc.
10/30/2001		Method and System for Connectionless Communication in a Cell Relay Satellite Network	6310893	BBNT Solutions, LLC & Level 3 Communications, Inc.
10/30/2001		Voice Activated Web Browser	6311182	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.

11/27/2001		Secure Gateway Having User Identification and Password Authentication	6324648	Verizon & Level 3 Communications, Inc.
2/12/2002		System and Method for Automatically Optimizing Software Performance	6347366	BBNT Solutions, LLC & Level 3 Communications, Inc.
4/9/2002		Method and Apparatus for Striping Packets Over Parallel Communication Links	6370579	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
6/11/2002		Information Retrieval System	6405188	BBNT Solutions, LLC & Level 3 Communications, Inc.
6/11/2002		Method and System for Burst Congestion Control in an Internet Protocol Network	6405257	Verizon & Level 3 Communications, Inc.
8/27/2002		Systems and Methods for Transmitting Messages to Predefined Groups	6442250	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
9/3/2002		Extendable Tool for Use Marking Angular Lines	6442856	BBNT Solutions, LLC & Level 3 Communications, Inc.
9/3/2002		Broadband Architecture Using Existing Twisted Pair	6445712	Verizon & Level 3 Communications, Inc.
9/24/2002		Generic Approach to Generating Permutations for All-to-All Personalized Exchange for Self-Routing Multistage Interconnection Networks	6456838	Verizon & Level 3 Communications, Inc.
9/24/2002		Speaker Identifier for Multi-Party Conference	6457043	Verizon & Level 3 Communications, Inc.
11/12/2002		Framework for Providing Quality of Service Requirements in a Distributed Object-Oriented Computer System	6480879	BBNT Solutions, LLC & Level 3 Communications, Inc.

12/3/2002		Hypervideo: Information Retrieval Using Multimedia	6490580	Verizon & Level 3 Communications, Inc.
12/3/2002		System and Method for Scheduling the Transmission of Packet Objects	6490629	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
12/10/2002		Method and System for Testing a Network Element Within a Telecommunications Network	6493425	Verizon & Level 3 Communications, Inc.
12/10/2002		Method and System for Capturing Telephone Calls	6493431	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
12/10/2002		Advertising-Subsidized PC-Telephony	6493437	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
12/10/2002		Hypervideo: Information Retrieval Using Realtime Buffers	6493707	Verizon & Level 3 Communications, Inc.
12/17/2002		Systems and Methods for Internet-working Data Networks Having Mobility Management Functions	6496704	Verizon & Level 3 Communications, Inc.
1/7/2003		Method and System for Monitoring and Dynamically Reporting a Status of a Remote Server	6505248	Verizon & Level 3 Communications, Inc.
1/21/2003		Systems and Methods for Providing Customizable Geo-Location Tracking Services	6509830	BBNT Solutions, LLC & Level 3 Communications, Inc.
1/21/2003		Secure Gateway Having Routing Feature	6510464	Verizon & Level 3 Communications, Inc.
2/25/2003		System and Method for Scheduling and Rescheduling the Transmission of Cell Objects of Different Traffic Types	6526062	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.

3/25/2003		System and Method for Automatically Optimizing Heterogenous Multiprocessor Software Performance	6539542	BBNT Solutions, LLC & Level 3 Communications, Inc.
5/20/2003		Cell Discard Scheme for IP Traffic Over a Cell Relay Infrastructure	6567378	BBNT Solutions, LLC & Level 3 Communications, Inc.
5/20/2003		Internet Service Delivery Via Server Pushed Personalized Advertising Dashboard	6567854	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
5/20/2003		Optimal All-To-All Personalized Exchange in Optical Multistage Networks	6567858	Verizon & Level 3 Communications, Inc.
6/10/2003		Systems and Methods for Transporting Associated Data Signals Over a Network	6577595	Verizon & Level 3 Communications, Inc.
7/8/2003		Data Communications System and Hybrid Time-Code Multiplexing	6590889	BBNT Solutions, LLC & Level 3 Communications, Inc.
7/29/2003		System for Interconnecting Packet-Switched and Circuit-Switched Voice Communications	6600733	Verizon & Level 3 Communications, Inc.
8/5/2003		Techniques for Providing Caller Name Announcement	6603848	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
8/19/2003		Fact Recognition System	6609087	BBNT Solutions, LLC & Level 3 Communications, Inc.
9/9/2003		Voice Activated Web Browser	6618726	BBNT Solutions, LLC & Level 3 Communications, Inc.
9/30/2003		Framework for Providing Quality of Service Requirements in a Distributed Object-Oriented Computer System	6629126	BBNT Solutions, LLC & Level 3 Communications, Inc.



10/14/2003		System and Method for Analyzing Generic Algorithms	6633854	BBNT Solutions, LLC & Level 3 Communications, Inc.
5/11/2004		Routing T-37 E-mail Over an H 323 (VoIP) Network	6735617	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
6/22/2004		Method and System for Burst Congestion Control in an ATM Network	6754177	Verizon & Level 3 Communications, Inc.
7/6/2004		Systems and Methods for Standardizing Network Devices	6760761	Verizon & Level 3 Communications, Inc.
7/27/2004		Method and Apparatus for Calculating the Number of Very High Speed Digital Subscriber Line Nodes	6768777	Verizon & Level 3 Communications, Inc.
9/21/2004		Packet Loss Service-Level Guarantee Monitoring and Claim Validation Systems and Methods	6795400	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.
9/28/2004		Systems and Methods for Securing Extranet Transactions	6799177	Verizon, BBNT Solutions, LLC & Level 3 Communications, Inc.

Exhibit B to  
Collateral Agreement

U.S. TRADEMARKS OWNED BY ALL GRANTORS

MARK	STATUS	SERIAL NO.	REGISTRATION NO.	OWNER
(3)	Registered	75/853,561	2541309	Level 3 Communications, Inc.
( ) Hollow	Pending	76/330,609		Level 3 Communications, Inc.
( ) Hollow	Registered	76/975,457	2826213	Level 3 Communications, Inc.
( ) Solid	pending	76/330,063		Level 3 Communications, Inc.
(3)Center	Registered	76/144,331	2737623	Level 3 Communications, Inc.
(3)Connect	Registered	76/130,740	2595630	Level 3 Communications, Inc.
(3)Crossroads	Registered	76/130,739	2487459	Level 3 Communications, Inc.
(3)Flex	Pending	78/295,508		Level 3 Communications, Inc.
(3)Hub	Published	78/314,189		Level 3 Communications, Inc.
(3)Link	Registered	76/173,196	2602542	Level 3 Communications, Inc.
(3)Plus	Pending	78/308,975		Level 3 Communications, Inc.
(3)Tone	Pending	78/295,481		Level 3 Enhanced Services, Inc.
(3)Tone	Pending	78/355,098		Level 3 Communications, Inc.
(3)Voice	Registered	75/853,560	2559680	Level 3 Communications, Inc.
(3)VOIP	Pending	78/284,533		Level 3 Communications, Inc.
(3)VOIP Enhanced	Pending	78/284,586		Level 3 Communications, Inc.
(3)VOIP Marketplace	Pending	78/284,600		Level 3 Communications, Inc.
(3)VoIP Toll Free	Pending	78/284,618		Level 3 Communications, Inc.
(3)Works	Registered	76/194,280	2655716	Level 3 Communications, Inc.
(i)	Registered	76/056,530	2764713	(i)Structure, LLC
(i)Structure	Registered	76/056,529	2598899	(i)Structure, LLC
(i)Tracker	common law mark			(i)Structure, Inc.
Almost As Good As Being There	common law mark			
Beyond Bandwidth	Registered	75/686,451	2430425	Level 3 Communications, Inc.
Bizconnect	Registered	75/778,014	2466515	Level 3 Communications, Inc.
Black Rocket	Registered	76/122,806	2648154	Level 3 Communications, Inc.

Black Rocket	Registered	76/135,219	2623270	Level 3 Communications, Inc.
Buy.Manage.Simplify.	Registered	76/473,973	2862101	Software Spectrum, Inc.
Extending Your Business, Not Your Expenses	Published	78/357,445		Level 3 Communications, Inc.
Genuity	Registered	75/081,054	2237047	Level 3 Communications, Inc.
Genuity	Registered	75/098,993	2237069	Level 3 Communications, Inc.
Genuity Championship	Registered	76/162,814	2589767	Level 3 Communications, Inc.
Global Guy	Registered	75/849,151	2387897	Software Spectrum, Inc.
Gold Bar	Registered	75/530,208	2310939	Level 3 Financing, Inc.
HomeTone	Pending	78/374,666		Level 3 Communications, Inc.
Hopscotch	Registered	75/209,713	2534362	Level 3 Communications, Inc.
iSpark	Registered	75/693,419	2439312	Level 3 Communications, Inc.
Level (3) Communications	Registered	75/981,405	2541500	Level 3 Communications, Inc.
Level 3	Registered	75/401,075	2400493	Level 3 Communications, Inc.
Level 3 Communications	Registered	75/395,922	2598222	Level 3 Communications, Inc.
Level 3 Communications	Registered	75/981,322	2534807	Level 3 Communications, Inc.
Level(3)	Pending	78/312,696		Level 3 Communications, Inc.
Level(3)	Pending	78/312,701		Level 3 Communications, Inc.
Level(3)Enabled	Pending	78/308,108		Level 3 Communications, Inc.
Level(3)Enhanced Services	Pending	78/311,389		Level 3 Communications, Inc.
Level(3)Enhanced Services	Pending	78/311,505		Level 3 Enhanced Services, Inc.
Level(3)Enhanced Services	Pending	78/355,180		Level 3 Communications, Inc.
Network Partner You Can Rely On	Registered	76/441,420	2832823	Level 3 Communications, Inc.
ONMAP	Pending	78/400,362		Level 3 Communications, Inc.
ONTAP	Registered	76/254,466	2882178	Level 3 Communications, Inc.
Orygen	Common law mark			(i)Structure, Inc.
Peace of Mind Is Priceless	Pending	78/383,599		(i)Structure, LLC
Plus Hardware	Pending	78/401,210		Software Spectrum, Inc.
Site Patrol	Registered	76/195,693	2655721	Level 3 Communications, Inc.

Software Spectrum	Registered	75/181,071	2286903	Software Spectrum, Inc.
Software Spectrum Smart Solutions for Smart Companies and Design (logo)	Registered	75/848,922	2402002	Software Spectrum, Inc.
The Network for Today and Tomorrow	Registered	76/254,514	2618945	Level 3 Communications, Inc.
The Voice Partner You Can Rely On	Pending	78/321,570		Level 3 Communications, Inc.
Totally Metro	Pending	78/362,982		Level 3 Communications, Inc.
VoIP	Pending	78/390,031		Level 3 Communications, Inc.
VPN Advantage	Registered	75/594,353	2491138	Level 3 Communications, Inc.
Why do these leading companies expect so much from us? Because their customers expect so much from them	Pending	78/295,556		Level 3 Communications, Inc.
Zero Footprint	Registered	75/640,975	2321401	Software Spectrum, Inc.

Exhibit B to  
Collateral Agreement

FORM OF ANNUAL PERFECTION CERTIFICATE

Reference is made to the Credit Agreement dated as of \_\_\_\_\_ (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among Level 3 Financing, Inc. (the "Borrower"), Level 3 Communications, Inc., the lenders from time to time party thereto (the "Lenders"), Merrill Lynch Capital Corporation, as Administrative Agent for the Lenders (in such capacity, the "Administrative Agent"). Capitalized terms used but not defined herein have the meanings assigned in the Credit Agreement or the Guarantee and Collateral Agreement referred to therein, as applicable. As used herein the term "Perfection Certificate" shall mean as applicable either the Effective Date Perfection Certificate or the last delivered Annual Perfection Certificate.

The undersigned, an authorized officer of the Borrower, hereby certifies to the Administrative Agent and each other Secured Party as follows:

1. **Names.** (a) The exact legal name of each Grantor, as such name appears in its respective certificate of formation has not changed since delivery of the previous Perfection Certificate or has changed to:

Complete only if there is a change since delivery of the previous Perfection Certificate: \_\_\_\_\_.

(b) Except as set forth below, no Grantor has changed its identity or corporate structure in any way within the past five years other than as disclosed on the previous Perfection Certificate. Changes in identity or corporate structure would include mergers, consolidations and acquisitions, as well as any change in the form, nature or jurisdiction of organization.

Complete only if there is a change since delivery of the previous Perfection Certificate: \_\_\_\_\_.

(c) Set forth below is the Organizational Identification Number, if any, issued by the jurisdiction of formation of each Grantor that is a registered organization:

Complete only if there is a change since delivery of the previous Perfection Certificate: \_\_\_\_\_.

(d) Set forth below is the Federal Taxpayer Identification Number of each Grantor:

Complete only if there is a change since delivery of the previous Perfection Certificate: \_\_\_\_\_.

[[NYCORP2443958v16:4438C:11/29/04-01:02 p]]

PATENT  
REEL: 016283 FRAME: 0699

PATENT  
REEL: 021561 FRAME: 0705

**2. Formation Information**

The jurisdiction of formation of each Grantor that is a registered organization (e.g., a corporation, limited partnership or limited liability company and not a general partnership) has not changed since delivery of the last Perfection Certificate or has changed as follows:

**Complete only if there is a change since delivery of the previous Perfection Certificate:**

Grantor:

Jurisdiction:

3. Listed below in proper form for filing with the United States Copyright Office is a schedule setting forth all of each Grantor's registered Copyrights and Copyright Licenses, including the name of the registered owner, the registration number and the expiration date of each Copyright or Copyright License owned by any Grantor.

**Complete only if there is a change since delivery of the previous Perfection Certificate:\_\_\_\_\_.**

4. Commercial Tort Claims. Following is a list of commercial tort claims that any Grantor holds that individually or in the aggregate are in an amount greater than \$15,000,000:

**Complete only if there is a change since delivery of the previous Perfection Certificate:\_\_\_\_\_.**

3

IN WITNESS WHEREOF, the undersigned have duly executed this certificate on this  
[ ] day of [ ].

[ ]

by

Name:

Title:

[[NYCORP:2443950v16:4450C:1/29/04-01:02 p]]

RECORDED: 02/25/2005

PATENT  
REEL: 016283 FRAME: 0701

RECORDED: 09/22/2008

PATENT  
REEL: 021561 FRAME: 0707