Name of conveying party(jes):   Brig Barnum Etliott	FORM PTO-1595 RECO OS OMB No. 0651-0011 (exp. 4/94)	9-17-2001 U.S. DEPARTMENT OF COMMERCE
Name of conveying partylies;   Brig Barmum Elliott	EXPRESS MAIL NO. EK555899057US Tab settings	Patent and Trademark Office
Name   BBNT Solutions LLC	1	01845536 original documents or copy thereof.
Name   BBNT Solutions LLC	1. Name of conveying party(ies):	
Additional name(s) of conveyance:    Assignment	1 . //	Name: BBNT Solutions LLC
Additional name(s) of conveyance:    Assignment	08/3//01	Internal Address: 10 Moulton Street
3. Nature of conveyance:    Assignment	Additional name(s) of conveying party(ies) attached? Yes X No	
Security Agreement	3. Nature of conveyance:	
Security Agreement	Assignment	Street Address:
City: Cambridge State: MA ZIP: 02138  Execution Date: 8/27/01  Additional name(s) & address(es) attached?   ves   Mo  4. Application number(s) or patent number(s): Docket No. 01-4015  If this document is being filed together with a new application, the execution date of the application is: 8/27/01  A. Patent Application No.(s)   B. Patent No.(s)  5. Name and address of party to whom correspondence concerning document should be mailed:   7. Total fee (37 CFR 3.41)		
Additional name(s) & address(es) attached?	<u> </u>	City: Cambridge State: MA ZIP: 02138
4. Application number(s): Docket No. 01-4015  If this document is being filled together with a new application, the execution date of the application is: 8/27/01  A. Patent Application No.(s)  B. Patent No.(s)  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Leonard Charles Suchyta  Internal Address: c/o Christian Andersen  Verizon Services Group  City: Irving  State: TX ZIP: 75038  City: Irving  State: TX ZIP: 75038  ON NOT USE THIS SPACE  9. Statement and signature  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  James K. Weixel, Reg. No. 44,399  Name of Person Signing  Signature  Doto Total information is:  Mail decuments to be recorded with mountered over sheet information is:  Mail decuments to be recorded with mountered and signature.  Signature  Doto Total information is:  8/27/01  8/22/2001  Signature  Date  Mail decuments to be recorded with mountered over sheet information is:  Mail decuments to be recorded with mountered over sheet information is:  Mail decuments to be recorded with mountered over sheet information is:  Mail decuments to be recorded with mountered over sheet information is:	Execution Date: 8/27/01	Additional name(s) & address(es) attached?
Street Address: 600 Hidden Ridge, HQE03H01   State: TX zip: 75038   Authorized to be charged in paying by deposit account	09/943709 Additional numbers atta	ached? Yes X No
Total fee (37 CFR 3.41)	<ol> <li>Name and address of party to whom correspondence</li> </ol>	6. Total number of applications and patents involved:
Internal Address: c/o Christian Andersen  Verizon Services Group  Street Address: 600 Hidden Ridge, HQE03H01  State: TX ZIP: 75038  ONOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  James K. Weixel, Reg. No. 44,399  Name of Person Signing  Total number of pages including cover sheet, attachments, and document:  Total number of pages including cover sheet, attachments, and document:  Date  Total number of pages including cover sheet, attachments, and document:	Name: Leonard Charles Suchyta	7. Total foo (27.05D 2.44)
Street Address: 600 Hidden Ridge, HQE03H01  Street Address: 600 Hidden Ridge, HQE03H01  City: Irving State: TX ZIP: 75038  On Not use this space  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  James K. Weixel, Reg. No. 44,399  Name of Person Signing  Signature  Total number bepages including cover sheet, attachments, and document:  Date  Total number bepages including cover sheet, attachments, and document:	Internal Address: c/o Christian Andersen	7. Total lee (37 CFR 3.41)\$ 40.00
Street Address: 600 Hidden Ridge, HQE03H01  8. Deposit account number:  07-2339  (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  James K. Weixel, Reg. No. 44,399  Name of Person Signing  Signature  Date  Total number of pages including cover sheet, attachments, and document:  Mall documents to be recorded with required cover sheet information to:	Verizon Services Group	☐ Enclosed
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City: Irving State: TX ZIP: 75038 (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  James K. Weixel, Reg. No. 44,399  Name of Person Signing  Signature  Total number of pages including cover sheet, altachments, and document:  2. Mall documents to be recorded with required cover sheet information to:	Street Address: 600 Hidden Ridge, HQE03H01	8. Deposit account number:
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DOCKET NO: 01-4015

## ASSIGNMENT

For good and valuable consideration which I hereby acknowledge, I,

## Brig Barnum Elliott

residing at 25 Wollaston Avenue, Arlington, MA 02476

**RECORDED: 08/31/2001** 

sell and assign to BBNT SOLUTIONS LLC., a Delaware corporation, its successors and assigns (hereinafter "Company"), all right, title and interest in my invention in

## SYSTEMS AND METHODS FOR PATH SET-UP IN A QUANTUM KEY DISTRIBUTION NETWORK

and the application for United States Patent therefor executed concurrently herewith, and all Patents which may be granted therefor, including re-examination Patents in all foreign countries, and all divisions, reissues, re-examinations, continuations and extensions thereof, and authorize and request the Commissioner of Patents to issue all Patents on said invention or resulting therefrom to said Company as assignee of the entire interest, and covenant that I have full right so to do and agree that I will communicate to said Company or its representatives any facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said invention, in the United States and all foreign countries.

IN TESTIMONY WHEREOF, I hereunto set my	hand and seal.
Inventor	Poip Bamtuis
-	Brig Barnum Elliott
Date	27 Aug 01
	0
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Date: 8/27/2001	Date: 8 27 01

PATENT REEL: 012154 FRAME: 0349