



101345984

To the Honorable Commissioner for Patents: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Paul E. Nikolich  
18 Bishops Lane  
Lynnfield, MA 01940Additional name(s) & address(es) attached? ☒ Yes ☐ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: \_\_\_\_\_ March 17, 2000

## 2. Name and address of receiving party(ies)

Name: Broadband Access Systems, Inc.

Internal Address: \_\_\_\_\_

Street Address: 8 Technology DriveCity: Westborough State: MA ZIP: 01572Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s): 09/474,039

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jerry Cohen, Esq.Internal Address: Perkins, Smith & Cohen, LLPStreet Address: One Beacon StreetCity: Boston State: MA ZIP: 02108Additional name(s) & address(es) attached? ☐ Yes ☒ No6. Total number of applications and patents involved: 17. Total fee (37 CFR § 3.41)..... \$ 40☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

03-2410, Order No. 11833-1P01

(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.

Christine M. Kuta

Name of Person Signing

Christine M. Kuta

Signature

April 10, 2000

Date

Total number of pages including cover sheet, attachments and document 14

Kumar Chinnaswamy  
230 Minott Road  
Westminster, MA 01473

Paul H. Dormitzer  
78 Nagog Hill Road  
Acton, MA 01760

Willem A.H. Engelse  
Walter G. Mahla  
55 Comstock Drive  
Wrentham, MA 02093

Howard Ngai  
20 Constitution Drive  
Southboro, MA 01772

David R. Paolino  
940 Great Pond Road  
North Andover, MA 01845

Kirk B. Pearce  
88 Indian Pipe Lane  
Concord, MA 01742

Jyotirmoy B. Sarkar  
7 Country Road  
Westford, MA 01886

**ASSIGNMENT**

WHEREAS, We, Paul E. Nikolich, residing at 18 Bishops Lane, Lynnfield, MA 01940, and Kumar Chinnaswamy, residing at 230 Minott Road, Westminister, MA 01473, and Paul H. Dormitzer, residing at 248 Nagog Hill Road, Acton, MA 01760, and Willem A.H. Engels, residing at Walter G. Mahla, residing at 55 Comstock Drive, Wrentham, MA 02093, and Howard Ngai, residing at 20 Constitution Drive, Southboro, MA, and David R. Paolino, residing at 940 Great Pond Road, North Andover, MA 01845, and Kirk B. Pearce, residing at 88 Indian Pipe Lane, Concord, MA 01742, and Jyotirmoy B. Sarkar, residing at 7 Country Road, Westford, MA 01886 (hereinafter referred to as "Assignors") have jointly made an invention entitled SYSTEM AND PROCESS FOR HIGH-AVAILABILITY, DIRECT, FLEXIBLE AND SCALABLE SWITCHING OF DATA PACKETS IN BROADBAND NETWORKS, for which an application for a United States Patent was executed on Feb. 25 and 29, March 4, 7 and 17, 2000 and was filed on December 28, 1999 and accorded Serial Number 09/474,039).

P.C.

WHEREAS, Broadband Access Systems, Inc., a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 8 Technology Drive, Westborough, MA 01752 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.

NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents, do sell, assign and transfer to Assignee, Assignors' entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignors had this sale, assignment and transfer not been made.

Assignors hereby authorize and request the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and

generally do everything reasonably requested of Assignors by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and /or exploit said invention.

Executed this 4<sup>TH</sup> day of MARCH, 2000.

Paul E. Nikolich  
Paul E. Nikolich

Commonwealth (State) of MA)  
)  
County of Worcester) ss.

Before me appeared Paul E. Nikolich on this 4<sup>th</sup> day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Sarantos  
Notary Public  
My commission expires 05/08/03

SEAL

Executed this 7<sup>th</sup> day of MARCH, 2000.

Kumar Chinnaswamy  
Kumar Chinnaswamy

Commonwealth (State) of MA)  
)  
County of Worcester) ss.

Before me appeared Kumar Chinnaswamy on this 7<sup>th</sup> day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Sarantos  
Notary Public  
My commission expires 05/08/03

SEAL

Executed this 7 day of March, 2000.

Paul H. Dormitzer  
Paul H. Dormitzer

Commonwealth (State) of MA, )  
 )  
County of Worcester ) ss.

Before me appeared Paul H. Dormitzer on this 7th day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Sarantos  
Notary Public  
My commission expires 05/08/03

SEAL

Executed this 29 day of Feb, 2000.

W.A.H. Engelse  
Willem A.H. Engelse  
Engelse W&

Commonwealth (State) of MA, )  
 )  
County of Worcester ) ss.

Before me appeared Willem A.H. Engelse on this 29 day of February 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Sarantos  
Notary Public  
My commission expires 5/08/03

SEAL

Executed this 4<sup>th</sup> day of March, 2000.

Walter G. Mahla  
Walter G. Mahla

Commonwealth (State) of MA )  
 )  
County of Worcester ) ss.

Before me appeared Walter G. Mahla on this 4<sup>th</sup> day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Suenos  
Notary Public  
My commission expires 05/08/03

SEAL

Executed this 4<sup>th</sup> day of March, 2000.

Howard Ngai  
Howard Ngai

Commonwealth (State) of MA )  
 )  
County of Worcester ) ss.

Before me appeared Howard Ngai on this 4<sup>th</sup> day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Suenos  
Notary Public  
My commission expires 05/08/03

SEAL

Executed this 7TH day of MARCH, 2000.

David R. Paolino  
David R. Paolino

Commonwealth (State) of MA)  
)  
County of Worcester) ss.

Before me appeared David R. Paolino on this 7TH day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Sarantos  
Notary Public  
My commission expires 05/08/03

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Executed this 4 day of March, 2000.

Kirk B. Pearce  
Kirk B. Pearce

Commonwealth (State) of MA)  
)  
County of Worcester) ss.

Before me appeared Kirk B. Pearce on this 4th day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Pamela Sarantos  
Notary Public  
My commission expires 05/08/03

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Executed this 17<sup>th</sup> day of MARCH, 2000.

J. Sarkar  
Jyotirmoy B. Sarkar

Commonwealth (State) of MA, )  
County of Middlesex ) ss.

Before me appeared Jyotirmoy B. Sarkar on this 17 day of March, 2000, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Patricia Sarantos  
Notary Public  
My commission expires 05/08/03

SEAL

Assignment/joint