

Docket No.: 1472-8124

FORM PTO-1596 (Modified)  
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OMB No. 0651-0011 (exp. 4/94)  
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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Paul R. Bade**  
**Steven A. Kahn**  
**David M. Verven**

Additional names(s) of conveying party(ies)  Yes  No

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

Name: **THE JOHNS HOPKINS UNIVERSITY**

Address: **34th and Charles Streets**

City: **Baltimore** State/Prov.: **MD**

Country: **U.S.A.** ZIP: **21218**

Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: **1/23/01; 1/22/01; 1/22/01, respectively**

4. Application number(s) or registration numbers(s):

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

Patent Application No.	Filing date	B. Patent No.(s)
<b>PCT/US00/35455</b>	<b>December 28, 2000</b>	

Additional numbers  Yes  No

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

Name: **Francis A. Cooch**

Registration No. **31,495**

Address: **Office of Patent Counsel**

**The Johns Hopkins University/Applied Physics Laboratory**

**11100 Johns Hopkins Road**

City: **Laurel** State/Prov.: **MD**

Country: **U.S.A.** ZIP: **20723-6099**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:  
**01-2218**

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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.*

**Francis A. Cooch**  
Name of Person Signing

**Francis A. Cooch**  
Signature

**1/25/01**  
Date

Total number of pages including cover sheet, attachments, and

**4**  
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ASSIGNMENT

WHEREAS, Paul R. Bade, Steven A. Kahn and David M. Verven, hereinafter referred to as the ASSIGNORS, have made an invention as described in an international application filed under the Patent Cooperation Treaty entitled: SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR HIGH SPEED BACKPLANE MESSAGING, serial no. PCT/US00/35455, filed December 28, 2000; and

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of their employment by ASSIGNEE, the ASSIGNORS do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and possessions and in all foreign countries and the entire right, title and interest in and to said international application and any substitutions, divisions, continuations, or continuations-in-part based upon said application, and in and to any and all Letters Patent, whether original or reissue, which may be granted for said invention in the United States and its territories and possessions and in any and all foreign countries, the invention, said patent application, and any and all such patents to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its legal representatives as fully and entirely as the same would have been held by the ASSIGNORS had this agreement not been made.

THE ASSIGNORS here further agree to make, execute, and deliver to the ASSIGNEE, its successors, assigns, and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any substitutions, divisions, continuations, or continuations-in-part of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns, and legal representatives in every way in protecting the said invention as may be requested, provided, however that they shall not have to pay any expenses arising from extending such assistance.

THE ASSIGNORS hereby covenant that they have the right to grant the foregoing assignment.

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Docket No. 1472-8124

Inventor(s): Paul R. Bade, Steven A. Kahn and David M. Verven

Title: SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR  
HIGH SPEED BACKPLANE MESSAGING

International Application serial no.: PCT/US00/35455, filed December 28, 2000

IN TESTIMONY WHEREOF, he has set his hand and affixed his seal on the date given hereinbelow.

Paul R. Bade SEAL 1/23/2001 DATE  
Paul R. Bade

STATE OF MARYLAND )  
COUNTY OF HOWARD )

Subscribed and sworn to before me this 23 day of January, 2001, by the above-named Paul R. Bade.

Mary Jane Colson  
Mary Jane Colson  
My Commission expires 4/1/01

IN TESTIMONY WHEREOF, he has set his hand and affixed his seal on the date given hereinbelow.

Steven A. Kahn SEAL 1/22/01 DATE  
Steven A. Kahn

STATE OF MARYLAND )  
COUNTY OF HOWARD )

Subscribed and sworn to before me this 22 day of January, 2001, by the above-named Steven A. Kahn.

Mary Jane Colson  
Mary Jane Colson  
My Commission expires 4/1/01

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Docket No. 1472-8124

Inventor(s): Paul R. Bade, Steven A. Kahn and David M. Verven

Title: SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR  
HIGH SPEED BACKPLANE MESSAGING

International Application serial no.: PCT/US00/35455, filed December 28, 2000

IN TESTIMONY WHEREOF, he has set his hand and affixed his seal on the date given  
hereinbelow.

David M. Verven SEAL 1/22/01 DATE  
David M. Verven

STATE OF MARYLAND )  
COUNTY OF HOWARD )

Subscribed and sworn to before me this 22 day of January, 2001, by the above-named  
David M. Verven.

Mary Jane Colson  
Mary Jane Colson

My Commission expires 4/1/01