

Docket No.: 1825-8688

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0851-0027 (exp. 5/31/2002)  
P08A/REV03

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

## PATENTS ONLY

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

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

Andrew F. Cheng

S. Edward Hawkins, III

Lillian Nguyen

Christopher A. Monaco

Gordon G. Seagrave

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: THE JOHNS HOPKINS UNIVERSITYAddress: 34th and Charles Streets

## 3. Nature of conveyance:

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

12/23/03; 12/23/03; 12/17/03;

Execution Date: 12/23/03; and 12/23/03, respectivelyCity: BaltimoreState/Prov.: MDCountry: U.S.A.ZIP: 21218

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 4. Application number(s) or patent 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)

10/633,447

August 1, 2003

Additional numbers

☐ Yes ☒ No

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

Name: Francis A. CoochRegistration No. 31,495Address: The Johns Hopkins UniversityApplied Physics Laboratory11100 Johns Hopkins RoadCity: LaurelState/Prov.: MDCountry: 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

(Attach duplicate copy of this page if paying by deposit account)

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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

12/29/03

Date

Total number of pages including cover sheet, attachments, and

5

Mail documents to be recorded with required cover sheet information to:  
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PATENT

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### ASSIGNMENT

WHEREAS, Andrew F. Cheng, S. Edward Hawkins, III, Lillian Nguyen, Christopher A. Monaco, and Gordon G. Seagrave, hereinafter referred to as the ASSIGNORS, have made an invention as described in a United States patent entitled, DATA COMPRESSION USING CHEBYSHEV TRANSFORM, which application was executed by them on 12/23/03;  
12/23/03; 12/17/03; 12/23/03; and 12/23/03,  
respectively, 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 patent 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 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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ASSIGNMENT  
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Docket No. 1825-8688

Inventor(s): Andrew F. Cheng, S. Edward Hawkins, III, Lillian Nguyen, Christopher A. Monaco, and Gordon G. Scagrave

Title: Data Compression Using Chebyshev Transform

Application Execution Date: 12/23/03; 12/25/03; 12/17/03; 12/23/03; and 12/25/03, respectively

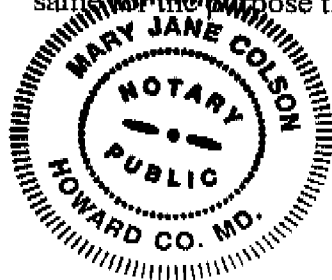
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IN TESTIMONY WHEREOF, they have set their hand and affixed their seal on the date given hereinbelow.

Andrew F. Cheng SEAL 12/23/2003 DATE  
Andrew F. Cheng

STATE OF MARYLAND )  
COUNTY OF Howard )

On this 23 day of December 2003, before me, the undersigned officer, personally appeared the above-named Andrew F. Cheng, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he/she executed the same for the purpose therein contained.



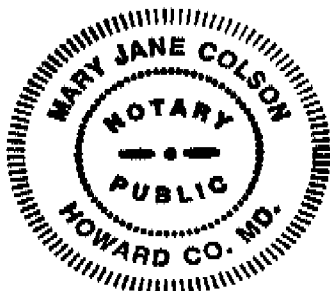
Mary Jane Colson  
(Signature)  
Mary Jane Colson  
(Printed Name)

Notary Public  
My Commission expires 4/1/04

S. Edward Hawkins, III SEAL 12/23/03 DATE  
S. Edward Hawkins, III

STATE OF MARYLAND )  
COUNTY OF Howard )

On this 23 day of December 2003, before me, the undersigned officer, personally appeared the above-named S. Edward Hawkins, III, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he/she executed the same for the purpose therein contained.



Mary Jane Colson  
(Signature)  
Mary Jane Colson  
(Printed Name)

Notary Public  
My Commission expires 4/1/04

PATENT  
ASSIGNMENT  
Page 3

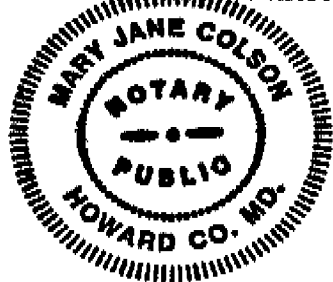
Docket No. 1825-8688

Inventor(s): Andrew F. Cheng, S. Edward Hawkins, III, Lillian Nguyen, Christopher A. Monaco, and Gordon G. Seagrave

Title: Data Compression Using Chebyshev Transform

Application Execution Date: 12/23/03; 12/23/03; 12/17/03; 12/23/03; and 12/23/03,  
respectivelyLillian Nguyen SEAL 12-17-03 DATE  
Lillian NguyenSTATE OF MARYLAND )  
COUNTY OF Howard )

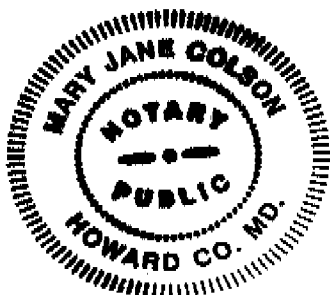
On this 17 day of December, 2003, before me, the undersigned officer, personally appeared the above-named Lillian Nguyen, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he/she executed the same for the purpose therein contained.

Mary Jane Colson  
(Signature)  
Mary Jane Colson  
(Printed Name)

Notary Public

My Commission expires 4/1/04Christopher A. Monaco SEAL 12/23/2003 DATE  
Christopher A. MonacoSTATE OF MARYLAND )  
COUNTY OF Howard )

On this 23 day of December, 2003, before me, the undersigned officer, personally appeared the above-named Christopher A. Monaco, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he/she executed the same for the purpose therein contained.

Mary Jane Colson  
(Signature)  
Mary Jane Colson  
(Printed Name)

Notary Public

My Commission expires 4/1/03

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ASSIGNMENT  
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Docket No. 1825-8688  
Inventor(s): Andrew F. Cheng, S. Edward Hawkins, III, Lillian Nguyen, Christopher A. Monaco, and Gordon G. Seagrave  
Title: Data Compression Using Chebyshev Transform  
Application Execution Date: 12/23/03; 12/23/03; 12/17/03; 12/23/03; and 12/23/03,  
respectively

=====

Gordon G. Seagrave SEAL 12/23/03 DATE  
Gordon G. Seagrave

STATE OF MARYLAND )  
COUNTY OF Howard )

On this 23 day of December, 2003, before me, the undersigned officer, personally appeared the above-named Gordon G. Seagrave, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he/she executed the same for the purpose therein contained.

Mary Jane Colson  
(Signature)  
Mary Jane Colson  
(Printed Name)

Notary Public  
My Commission expires 4/1/04

