

02-18-2000

FORM PTO-1005

(Rev. 6-92)

CLASS No. 0051-0011 (exp. 4-94)

REC'D



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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Tab settings

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

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

Charles W. Kurak, Jr. and  
Christian H. L. MollerAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: 12/20/99

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

Name: Billions of Operations Per Second, Inc.

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

Street Address: 6340 Quadrangle Drive

Suite 210

City: Chapel Hill State: NC ZIP: 27514

Additional name(s) & address(es) attached? ☐ Yes ☒ 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)

09/432,705

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Peter H. Priest, Esq.

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

Street Address: 529 Dogwood Drive

City: Chapel Hill State: NC ZIP: 27516

## 6. Total number of applications and patents involved:

1

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

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

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

02/16/2000 T10R11 00000304 09432705

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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.

Peter H. Priest  
Name of Person Signing

Signature

1/13/99

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to  
Commissioner of Patents & Trademarks, Box Assignments

REEL: 010552 FRAME: 0705

## ASSIGNMENT AND AGREEMENT

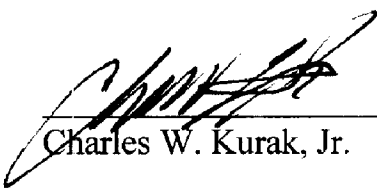
For value received, we, Charles W. Kurak, Jr. of the City of Durham, State of North Carolina; and Christian H. L. Moller of the City of Cary, State of North Carolina hereby sell, assign and transfer to Billions of Operations Per Second, Inc., a corporation of the State of North Carolina, having an office at 6340 Quadrangle Drive, Suite 210, Chapel Hill, North Carolina 27514, U.S.A., and its successors, assigns and legal representatives, hereinafter collectively Billions of Operations Per Second, Inc., the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHODS AND APPARATUS FOR IMPROVED MOTION ESTIMATION FOR VIDEO ENCODING**, described in an application for Letters Patent of the United States, which was filed on November 2, 1999 as Serial No. 09/432,705, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Billions of Operations Per Second, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Billions of Operations Per Second, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Billions of Operations Per Second, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Billions of Operations Per Second, Inc. in the United States and to Billions of Operations Per Second, Inc. in all countries foreign to the United States, or to such nominees as it may designate.

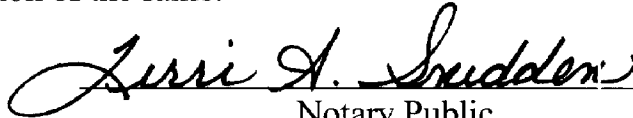
We agree that, when requested, we shall, without charge to Billions of Operations Per Second, Inc. but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
Charles W. Kurak, Jr.

Date: 99 DEC 20

United States of America                   )  
State of North Carolina                ) ss:  
County of Orange                        )

On this 20<sup>th</sup> day of December, 1999, before me personally came Charles W. Kurak, Jr., to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

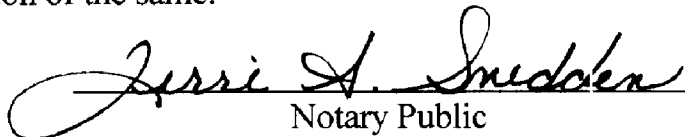
My Commission Expires: 4-18-2004

  
Christian H. L. Moller

Date: 10 Jan 00

United States of America                   )  
State of North Carolina                ) ss:  
County of Orange                        )

On this 10<sup>th</sup> day of January, 2000, before me personally came Christian H. L. Moller, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

My Commission Expires: 4-18-2004