
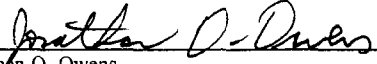


FORM PTO-1595 (Rev. 06/93)		RECO	03-11-2005  102957817	U.S. Department of Commerce Patent and Trademark Office Attorney Docket No.: SONY-I1300	
Assistant Commissioner for Patents Washington, D.C. 20231					
Sir:					
Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):  Quan A. Vu Hisato Shima  — Additional name(s) of conveying party(ies) attached.		2. Name and address of receiving party(ies):  SONY CORPORATION 6-7-35 Kitashinagawa, Shinagawa Tokyo, 141 JAPAN  SONY ELECTRONICS, INC. 1 Sony Drive Park Ridge, New Jersey 07656-8003			
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment                      — Merger — Security Agreement           — Change of Name — Other: _____  Execution Date: February 11, 1999					
4. Application number(s) or patent number(s):  <input checked="" type="checkbox"/> This document is being filed together with a new application, the execution date of the application is: February 11, 1999 — Patent Application Serial No.(s): filed on . — Patent No.(s): . — Additional numbers attached.					
5. Name and address of party to whom correspondence concerning document should be mailed:  Jonathan O. Owens HAVERSTOCK & OWENS LLP 260 Sheridan Avenue, Suite 420 Palo Alto, California 94306		6. Total number of applications and patents involved: 1.  7. Total fee(s) [37 CFR §§ 1.21(h) and 3.41]:  <input checked="" type="checkbox"/> Check(s) in the amount of \$968.00 (\$928.00 Basic Filing Fee plus \$40.00 Assignment Recordation Fee) enclosed.  8. Authorization to Charge Additional Fees:  <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication and which may be required under 37 CFR §§ 1.21(h) and 3.41 to Deposit Account No. 08-1275.			
9. 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.					
Dated: February 12, 1999		Signature:  Name: Jonathan O. Owens Reg. No.: 37,902			
Total number of pages including cover sheet, attachments, and document: 2					

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ASSIGNMENT

WHEREAS, WE, Quan A. Vu and Hisato Shima, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: A METHOD OF AND APPARATUS FOR GENERATING A PRECISE FRAME RATE IN DIGITAL VIDEO TRANSMISSION FROM A COMPUTER SYSTEM TO A DIGITAL VIDEO DEVICE

Date of execution of application: \_\_\_\_\_ Filing Date: \_\_\_\_\_ Serial No.: \_\_\_\_\_

WHEREAS, SONY CORPORATION, a Japanese corporation, 6-7-35 Kitashinagawa, Shinagawa, Tokyo, 141, Japan, and SONY ELECTRONICS INC., a corporation of the State of Delaware, 1 Sony Drive, Park Ridge, NJ 07656-8003, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have hereunto signed their names to this assignment on the dates indicated below.

Quan A. Vu  
Quan A. Vu

2/11/99  
Date

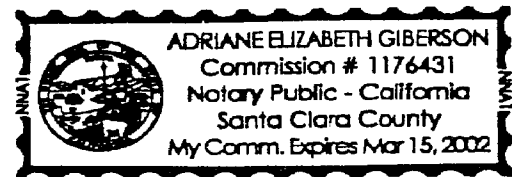
Hisato Shima  
Hisato Shima

2/11/99  
Date

STATE OF California  
COUNTY OF Santa Clara

On February 11, 1999  
personally appeared Quan A. Vu and Hisato Shima

☐ personally known to me ~~OR~~ ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose names are subscribed to the within instrument and acknowledged to me that ~~he/she/it~~ they executed the same in ~~his/her/their~~ their authorized capacity(ies), and that by ~~his/her/its~~ their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.



SEAL

WITNESS my hand and official seal.

Adriane Elizabeth Giberson  
Signature of Notary Public