

02-08-2002

OMB No. 0651-0011 (Exp. 04/94)



Attorney Docket No.: SONY-11000

Assistant Commissioner for Patents
Washington, D.C. 20231

101978315

Sir:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hisato Shima
Sho Kou
Chenchu Chilamakuri
Qi Hu
Ratna Vemuri

1-24-02

Additional name(s) of conveying party(ies) attached.

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

SONY CORPORATION
6-7-35 Kitashinagawa
Shingawa, Tokoyo 141
Japan

SONY ELECTRONICS, INC.
1 Sony Drive
Park Ridge, NJ 07656-8003

Additional name(s) and address(es) attached.

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Date: Executed by Hisato Shima on 11/9/01; executed by Sho Kou and Qi Hu on 10/11/01; executed by Chenchu Chilamakur on 11/8/01 and executed by Ratna Vemuri on 10/26/01.

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

This document is being filed together with a new application, the execution date of the application is:
 Patent Application Serial No.(s): 09/177,665 filed on 10/22/98.
 Patent No.(s): _____
 Additional numbers attached.

W 24 2002

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]:

Check(s) in the amount of \$40.00 enclosed.

8. Authorization to Charge Additional Fees:

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: December 4, 2001

Signature: Jonathan O. Owens
Name: Jonathan O. Owens
Reg. No.: 37,902

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

02/07/2002 LMUELLER 00000137 09177665

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40.00 OP

ASSIGNMENT

WHEREAS, WE, Hisato Shima, Sho Kou, Chenchu Chilamakuri, Qi Hu and Ratna Vemuri 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: METHOD OF AND APPARATUS FOR DYNAMICALLY ENUMERATING OBJECTS REPRESENTING DEVICES WITHIN AN IEEE 1394 SERIAL BUS NETWORK

Date of execution of application: _____ Filing Date: October 22, 1998 Serial No.: 09/177,665

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.

Hisato Shima
Hisato Shima

Nov. 9, 2001
Date

Sho Kou
Sho Kou

10-11-01
Date

Chenchu Chilamakuri

Date

Qi Hu
Qi Hu

10/11/01
Date

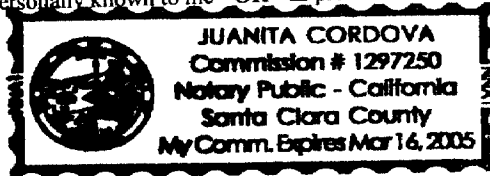
Ratna Vemuri

Date

STATE OF Calif
COUNTY OF Santa Clara

On 10-11-01 before me, Juanita Cordova
personally appeared Hisato Shima, Sho Kou, Chenchu Chilamakuri, Qi Hu and Ratna Vemuri

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/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Juanita Cordova
Signature of Notary Public

SEAL

ASSIGNMENT

WHEREAS, WE, Hisato Shima, Sho Kou, Chenchu Chilamakuri, Qi Hu and Ratna Vemuri, 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:

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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.

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

Hisato Shima

Date

Sho Kou

Date

Chenchu Chilamakuri
Chenchu Chilamakuri

Nov 3rd 2001
Date

Qi Hu

Date

Ratna Vemuri

Date

STATE OF _____

COUNTY OF _____

On _____ before me,
personally appeared Hisato Shima, Sho Kou, Chenchu Chilamakuri, Qi Hu and Ratna Vemuri
 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/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SEAL

Signature of Notary Public

ASSIGNMENT

WHEREAS, WE, Hisato Shima, Sho Kou, Chenchu Chilamakuri, Qi Hu and Ratna Vemuri, 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:

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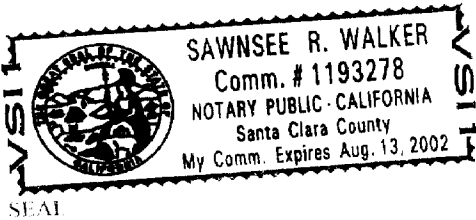
_____	_____
Hisato Shima	Date
_____	_____
Sho Kou	Date
_____	_____
Chenchu Chilamakuri	Date
_____	_____
Qi Hu	Date
<u>Ratna Vemuri</u>	<u>10 / 26 / 01</u>
Ratna Vemuri	Date

STATE OF California
COUNTY OF Santa Clara

On Oct. 26, 2001 before me, Sawnsee R. Walker
Ratna Vemuri
personally appeared Hisato Shima, Sho Kou, Chenchu Chilamakuri, Qi Hu and Ratna Vemuri

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/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Sawnsee R. Walker, Notary Public
Signature of Notary Public