

RE

08-03-2001

 101798832
 PATENTS ONLY

SHEET

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- (X) New 7/17/01
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- (X) Assignment () Security Agreement
- () License () Change of Name
- () Merger () Other

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() Departmental File () Secret File

JC997 U.S. PTO
 09/907854

 07/17/01

Conveying Party(ies)

() Mark if additional names of conveying parties attached

Name (line 1) Mark Champion

Name (line 2)

Execution Date
 Month Day Year
 09/10/2001

Second Party

Name (line 1) Brian Dockter

Name (line 2)

Execution Date
 Month Day Year
 7/10/2001

Receiving Party

(X) Mark if additional names of receiving parties attached

Name (line 1) Sony Corporation, a Japanese Corporation

Name (line 2)

Address (line 1) 7-35 Kitashinagawa 6-Chome

Address (line 2)

Address (line 3) Shinagawa-Ku,
 city

Tokoyo /Japan
 State/Country

Zip Code

() If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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08/02/2001 GT0N11 00000153 061135 09907854
 01 FC:581 40.00 CH

Correspondent Name and Address Area Code and Telephone Number 858-587-7644

Name Thomas F. Lebens

Address (line 1) Fitch, Even, Tabin & Flannery

Address (line 2) Suite 1600 - 120 South LaSalle Street

Address (line 3) Chicago, IL 60603-3406

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. # 2

Application Number(s) or Patent Number(s) () Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year
07 10 01

Patent Cooperation Treat (PCT)

Enter PCT application number <u>only if a U.S. Application Number</u> has not been assigned.	PCT	PCT	PCT
	PCT	PCT	PCT

Number of Properties Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40

Method of Payment: Enclosed () Deposit Account (X)

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

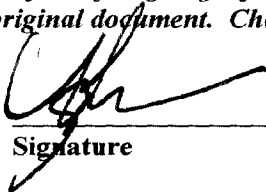
Deposit Account Number: # 06-1135

Authorization to charge additional fees: Yes (x) No ()

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. Charges to deposit account are authorized, as indicated herein.

Thomas F. Lebens
Name of Person Signing


Signature

July 17, 2001
Date

PATENTS ONLY

Conveying Party(ies)

() Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

() Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1) Sony Electronics, Inc., a Delaware corporation

() If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1) 1 Sony Drive

Address (line 2)

Address (line 3)

Park Ridge
City

New Jersey /
State/Country

07656
Zip Code

() If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

() Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

JC997 U.S. PTO
09/907854
07/17/01

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in CHECKERBOARD BUFFER USING MEMORY BLOCKS for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan and Sony Electronics Inc. a Delaware corporation with offices at 1 Sony Drive, Park Ridge, New Jersey 07656 (hereinafter referenced as ASSIGNEES) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEES or its designee, as ASSIGNEES or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEES thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEES will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

And I hereby authorize and request my attorney(s) of record in this application to insert the execution date, serial number and filing date of this application in the spaces that follow: Serial Number: _____, Filing Date: _____.

This assignment executed on the dates indicated below.

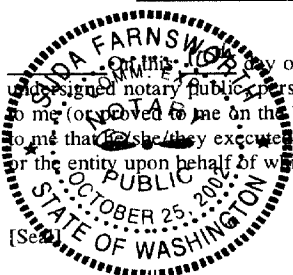
Mark Champion _____
Name of first inventor Execution date of U.S. Patent Application

6310 NE 194th Street, Kenmore, WA 98028 _____
Residence of first or sole inventor

[Signature] _____ 7/10/01 _____
Signature of first or sole inventor Date of this assignment

STATE OF Washington)
COUNTY OF Snohomish) ss.

I, SUDA FARNSWORTH, Notary Public of the State of Washington, do hereby certify that on the 10th day of July, in the year of 2001, before me, _____, the undersigned notary public personally appeared the above-named assignor, Mark Champion, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is 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.



[Signature] _____
Signature of Notary Public
My Commission Exp on 10-25-02

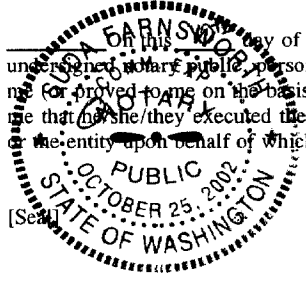
Brian Dockter
Name of second inventor Execution date of U.S. Patent Application

22421 96th Avenue West, Edmonds, WA 98020
Residence of second inventor

Brian Dockter 7-10-2001
Signature of second inventor Date of this assignment

STATE OF Washington)
) ss.
COUNTY OF Snohomish)

On this July day of 2001, in the year of 2001, before me, SUDA FARNSWORTH, the undersigned notary public, personally appeared the above-named assignor, Brian Dockter, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is 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.



Suda Farnsworth
Signature of Notary Public
my commission exp. on 10/25/02

Name of third inventor Execution date of U.S. Patent Application

Residence of third inventor

Signature of third inventor Date of this assignment

STATE OF _____)
) ss.
COUNTY OF _____)

On this ____ day of _____, in the year of _____, before me, _____, the undersigned notary public, personally appeared the above-named assignor, _____, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is 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.

[Seal] _____
Signature of Notary Public

Name of fourth inventor Execution date of U.S. Patent Application

Residence of fourth inventor

Signature of fourth inventor Date of this assignment

STATE OF _____)
) ss.
COUNTY OF _____)

On this ____ day of _____, in the year of _____, before me, _____, the undersigned notary public, personally appeared the above-named assignor, _____, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is 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.

[Seal] _____
Signature of Notary Public