06-28-2002 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office P08A/REV03 Tab settings → → 102139038 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Katsushige Hata Name: Sony Corporation Tsuvoshi Ono 6-24-02 Address: 7-35 Kitashinagawa 6-Chome Shinagawa-Ku ☐ Yes 🏿 No Additional names(s) of conveying party(ies) Nature of conveyance: ★ Assignment Merger City: Tokyo ☐ Security Agreement Change of Name State/Prov.: Country: JAPAN ZIP: Other _ Execution Date: March 8, 2002 ☐ Yes X No Additional name(s) & address(es) 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: B. Patent No.(s) Filing date Patent Application No. **December 20, 2001** 10/037,160 Additional numbers ☐ Yes 🏻 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Christopher S. Hermanson 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 48,244 Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Bell, Boyd & Lloyd LLC ☐ Authorized to be charged to deposit account P.Ø. Box 1135 00000247 10037160 06/27/2002 DBYRHE 8. Deposit account number: 01 FE:581 City: Chicago 02-1818 State/Prov.: IL ZIP: 60690-1135 (Attach duplicate copy of this page if paying by deposit account) Country: USA DO NOT USE THIS SPACE 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. June 13, 2002 Christopher S. Hermanson Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and

Docket No.: 112857-308

	Docket No.: 112857-308
FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 3651-0027 (exp.5/31/2002) P08A/REV03	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Tab settings → → ▼	▼ ▼ ▼
To the Honorable Commissioner of Patel	ttached original documents or copy thereof.
1. Name of conveying party(ies): Katsushiga Hata Tsuyoshi Ono 3-28-07	2. Name and address of receiving party(ies): Name: Sony Corporation Address: 7-35 Kitashinagawa 6-Chome
Additional names(s) of conveying party(ies)	Shinagawa-Ku
3. Nature of conveyance:	
☑ Assignment	
☐ Security Agreement ☐ Change of Name	City: Tokyo State/Prov.:
☐ Other	Country: Japan ZIP:
Execution Date: March 8, 2002	Additional name(s) & address(es)
 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, Patent Application No. Filing date 10/037/160 December 20, 2002 	B. Patent No.(s)
Additional numbers	☐ Yes ☑ No ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Christopher S. Hermanson	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 48,244 Address: Bell, Boyd & Lloyd LLC	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
P.O. Box 1135	☐ Authorized to be charged to deposit account
	8. Deposit account number:
City: Chicago State/Prov.: IL	02-1818
Country: USA 94/10/2002 DBYRNE 00000036 10037160 ZIP: 60690	(Attach duplicate copy of this page if paying by deposit account)
Statement and signature. Statement and signature.	ation is true and correct and any attached copy is a true copy March 16, 2002 Signature Date

Docket Number: _______112857-308

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 "AN INFORMATION PROCESSING DEVICE AND METHOD. AND RECORDING MEDIUM"

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 (hereinafter referenced as ASSIGNEE) 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 ASSIGNEE, 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 ASSIGNEE, as the assignee 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 ASSIGNEE or its designee, as ASSIGNEE 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 ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE 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 serial number and filing date of this application in the spaces that follow: Serial Number: 10,037/160 Filing Date: December 20, 2001

This assignment executed on the dates indicated below.

KATSUSHIGE HATA	
Name of first or sole inventor	Execution date of U.S. Patent Application
TOKYO, JAPAN	
Residence of first or sole inventor	
12 Hola	Harch 8, 2002
Signature of fifet or sole inventor	Date of this assignment

PATENT REEL: 013022 FRAME: 0293

TSUYOSHI ONO	
Name of second inventor	Execution date of U.S. Patent Application
TOKYO, JAPAN	
Residence of second inventor	
Trujoshi Ona	March 8, 2002 Date of this assignment
Signature of second inventor	Date of this assignment
Name of third inventor	Execution date of U.S. Patent Application
	and the same of the representation
Residence of third inventor	
Signature of third inventor	Date of this assignment
Name of fourth inventor	Execution date of U.S. Patent Application
Residence of fourth inventor	
Signature of fourth inventor	Date of this assignment
Name of fifth inventor	Execution date of U.S. Patent Application
Residence of fifth inventor	
Signature of fifth inventor	Date of this assignment

PATENT REEL: 013022 FRAME: 0294

RECORDED: 06/24/2002