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To the Honorable Commissioner of Patents

original documents or copy thereof.

1. Name of conveying party(ies):

- (a) Takashi Nakatsuyama
- (b)
- (c)

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

Yes  No

Address of receiving party(ies):

Name: Sony Corporation  
 Street Address: 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku  
 City: Tokyo State:     Zip:      
 Country: Japan

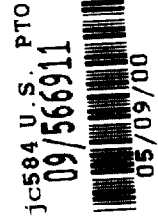
3. Nature of Conveyance:

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

Execution Date: April 24, 2000

Name and address of receiving party(ies):

Name: Sony Electronics, Inc.  
 Street Address: 1 Sony Drive  
 City: Park Ridge State: New Jersey Zip: 07656  
 Country: U.S.A.



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: April 24, 2000

A. Patent Application No.(s) -

Title: Receiver For User-Demand Information And Entertainment System Using Wide Area Digital Broadcast

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: David W. Heid  
 Internal Address: SKJERVEN, MORRILL, MacPHERSON,  
FRANKLIN & FRIEL LLP  
 Street Address: 25 METRO DRIVE, SUITE 700  
 City SAN JOSE State CA ZIP 95110

6. Total number of applications and patents involved: 1

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

- Authorized to be charged to Deposit Account 19-2386
- Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

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8. 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.

David W. Heid 25,875  
Name of Person Signing

David W. Heid  
Signature

May 9, 2000  
Date

Total number of pages comprising cover sheet: 1

# ASSIGNMENT

**WHEREAS, I**, as a below named inventor, residing at the address stated next to my name, am sole inventor of certain new and useful improvements in **Receiver For User-Demand Information And Entertainment System Using Wide Area Digital Broadcast** for which application for Letters Patent of the United States of America was executed by me on or about the date of this assignment;

**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) are 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 inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, their 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 their designee, as ASSIGNEES or their 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 their own expense;

And I further agree that ASSIGNEES will, upon their 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;

This assignment executed on the date indicated below.

Name of first inventor:  
Takashi Nakatsuyama, 3438 Via Alicante, La Jolla, CA 92037

Takashi Nakatsuyama  
Signature of first inventor

4/24/00  
Date of this assignment

State of California )  
County of San Diego ) ss.

On this 24<sup>th</sup> day of, April, in the year of 2000, before 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 execution of this instrument.



WITNESS my hand and official seal.

Adriane Elizabeth Giberson  
SIGNATURE OF NOTARY  
Adriane Elizabeth Giberson