

FORM PTO-1595

(Rev. 06/93)

MEQ 8.12.98
OMB No. 0651-0011 (Exp. 04/94)

08-20-1998



100800846

COVER SHEET

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: SONY-01901

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Clayton R. Karmel

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

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

SONY CORPORATION
6-7-35 Kitashinagawa, Shinjigawa
Tokyo, 143
JAPAN

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

3. Nature of conveyance:

 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: July 21, 1998

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. 08/936,720 filed on September 24, 1997
 Patent No.(s) _____
 Additional numbers attached _____

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

Thomas B. Haverstock
HAVERSTOCK & OWENS LLP
260 Sheridan Avenue, Suite 420
Palo Alto, California 94306

6. Total number of application(s) and patents involved: 1

7. Total fees (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: August 12, 1998

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

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

40/00 00

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, as a sole inventor of certain new and useful improvements in **POSITIONING SYSTEM USING PACKET RADIO TO PROVIDE DIFFERENTIAL GLOBAL POSITIONING SATELLITE CORRECTIONS AND INFORMATION RELATIVE TO A POSITION** 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 corporation of the State of Delaware, 1 Sony Drive, Park Ridge, NJ 07656-8003 (hereinafter references as ASSIGNEES) is desirous of acquiring all interests 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, titled and interest in the said countries foreign thereto, which may be granted for said invention, 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 the 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 Letter 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, assignees and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said 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 serial number and filing date of this application in the spaces that follow:

Serial Number: 08/936,720, Filing Date: September 24, 1997

This Assignment executed on the dates indicated below.

Clayton R. Karmel 7/21/98 7/21/98
Name of first inventor Execution of U.S. Patent Application

~~1111 Coolidge Avenue, San Jose, CA 95125~~ 4432 New Hampshire St. San Diego, CA 92116
Residence of sole inventor

[Signature] 7/21/98
Signature of first or sole inventor/Date of this assignment



STATE OF California
COUNTY OF San Diego SS.

On this 21 day of July, in the year of 99, before me, the undersigned notary public, personally appeared the above-named assignors, 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

[Signature]
Notary Public

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit;
Clayton R. Karmel) Examiner;
Serial No.: 08/936,720)
Filed: September 24, 1997) **TRANSMITTAL LETTER**
For: **POSITIONING SYSTEM USING**)
PACKET RADIO TO PROVIDE)
DIFFERENTIAL GLOBAL)
POSITIONING SATELLITE)
CORRECTIONS AND)
INFORMATION RELATIVE TO A)
POSITION)

Box Assignments
Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Enclosed please find an Assignment, form PTO1595 and a check in the amount of \$40.00 to cover the Assignment Recordation fee for filing with the U.S. Patent and Trademark Office.

The Commissioner is authorized to charge any additional fee or credit any overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Respectfully submitted.

HAVERSTOCK & OWENS LLP

Dated: August 12, 1998

By: Jonathan O. Owens
Jonathan O. Owens
Reg. No.: 37,902
Attorneys for Applicant

CERTIFICATE OF MAILING (37 CFR § 1.8(a))

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231

HAVERSTOCK & OWENS LLP
Dated: 8/12/98 By: [Signature]

PATENT
REEL: 9384 FRAME: 0975

PATENT

Attorney Docket No.: SONY-01901

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit:
Clayton R. Karmel) Examiner:
)
) TRANSMITTAL LETTER
Serial No.: 08/936,720)
) 260 Sheridan Avenue, Suite 420
Filed: September 24, 1997) Palo Alto, California 94306
) (650) 833-0160
For: POSITIONING SYSTEM USING)
PACKET RADIO TO PROVIDE)
DIFFERENTIAL GLOBAL)
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Respectfully submitted.

HAVERSTOCK & OWENS LLP

Dated: August 12, 1998

By: *Jonathan O. Owens*
 Jonathan O. Owens
 Reg. No.: 37,902
 Attorneys for Applicant

CERTIFICATE OF MAILING (37 CFR § 1.8(e))

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HAVERSTOCK & OWENS LLP

Date of Mailing: August 12, 1998
By: *Jonathan O. Owens*

PATENT

REEL: 9384 FRAME: 0976