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Name of conveying party(ies)

12-11-00

Kasumi TAKEDA, Ayumi MIZOBUCHI, Mami UCHIDA

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

2. Name and address of receiving party(ies)

Name:

SONY CORPORATION 7-35 Kitashinagawa 6-chome Shinagawa-Ku, Tokyo 141-0001, Japan

Additional name(s) & address(es) attached? __ Yes _x No

3. Nature of conveyance:

- X Assignment
 - Security Agreement
- Merger
 - Change of Name
- Other

Execution Date(s): November 21, 2000

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:

Patent Application No.(s) 09/657,703 filed September 8, 2000

Additional numbers attached? Yes X No

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

Name:

WILLIAM S. FROMMER

Internal Address: FROMMER LAWRENCE & HAUG LLP

Street Address:

745 FIFTH AVENUE

City:

NEW YORK State: N.Y. Zip: 10151

- 6. Total number of applications and
- Enclosed <u>X</u> Authorized to be charged to deposit account 50-0320
- 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)

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December 6, 2000

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> PATENT REEL: 011361 FRAME: 0587

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, 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

DISPLAY-EQUIPPED INFORMATION TERMINAL DEVICE HAVING MAILING FUNCTION AND ELECTRONIC MAIL TRANSMITTING METHOD 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 141, Japan (hereinafter referred to 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: 09/657,703, Filing Date: September 8, 2000.

This assignment executed on the dates indicated below.

Kasumi TAKEDA			
Name of first or sole inventor	Execution date of U.S. Patent Application		
Tokyo, Japan			
Residence of first or sole inventor	November 21. 2000 Date of this assignment		
Signature of first or sole inventor	Date of this assignment		
Ayumi MIZOBUCHI	Execution date of U.S. Patent Application		
Name of second inventor	EXECUTION GETS		
Tokyo, Japan	2.000		
Residence of second inventor Ayum Miss Will Signature of second inventor	November 21, 2000 Date of this assignment		
Signature of second Thventor			
Mami UCHIDA	Execution date of U.S. Patent Application		
Name of third inventor	EXCOURT THE PROPERTY OF THE PR		
Saitama, Japan			
Residence of third inventor	Hovember 21, 2000		
Mamu' Uchida	Date of this assignment		

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