

RECORDATION FORM COVER SHEET  
PATENTS ONLY

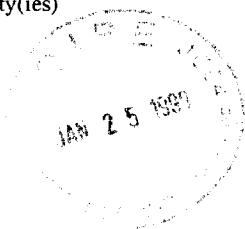
02-03-1999



100957156

To the Honorable Commissioner of Patents and Trademarks.  
Please record the attached original documents or copy thereof

## 1. Name of the conveying party(ies)

Kei Yamashita  
Hiroyuki Tanaka  
Shusuke Utsumi  
Atsushi Shionozaki

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

SONY CORPORATION  
7-35 Kitashinagawa, 6-chome,  
Shinagawa-Ku, Tokyo, JapanNippon Telegraph and Telephone Corporation  
19-2 Nishi-Shinjuku 3-chome  
Shinjuku-ku, Tokyo 163-8019, JapanAdditional Names(s) and Address(es) Attached  
[ ] Yes [X] No

Additional name(s) of conveying party(ies) attached? No

## 3. Nature of conveyance:

☒ Assignment      ☐ Merger  
☐ Security Agreement      ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date(s) March 16, 1998

## 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:

A. Patent Application No(s).  
09/160,234

B. Patent No(s).

Additional Numbers Attached? [ ] Yes [X] No

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

Philip M. Shaw, Jr.  
CROSBY, HEAFEY, ROACH & MAY  
4 Embarcadero Center, Ste. 1900  
P.O. Box 7936  
San Francisco, CA 94120-7936  
(415) 543-8700 (telephone) // (415) 391-8269 (fax)

DIRECT DIAL: (415) 659-5904

6. Total number of Applications and Patents involved 17. Total Fee (37 CFR § 3.41) . . . . . \$ 40.00[X] Enclosed [ ] Previously Paid  
[ ] Authorized to be charged to Deposit Account8. Deposit Account No. 03-3821. Please reference Attorney  
Docket No. 21650.00300  
(Attached duplicate copy if paying by Deposit Account)

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.*Philip M. Shaw, Jr.  
Name of Person Signing

Signature

20  
January 18, 1999  
Dated

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, DC 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC 20231, and to the Office of Management and Budget, Paperwork Reduction Products, (0651-0011), Washington, DC 20503.

12000911

02/01/1999 TLWU11 00000041 09160234

03 FC:581

40.00 DP

PATENT  
REEL: 9728 FRAME: 0954

ASSIGNMENT

WHEREAS, WE, Kei Yamashita, Hiroyuki Tanaka, Shusuke Utsumi, and Atsushi Shionozaiki hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Communication Method, and Data Communications Terminal, with Data Communication Protocol for Inter-layer Flow Control

Application (Declaration/Oath) Execution Date:

Filing Date: September 24, 1998

Application No.: 09/160,234

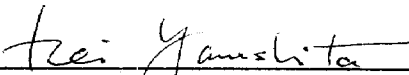
WHEREAS, Sony Corporation, a corporation of Japan, having a business address of 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, JAPAN and Nippon Telegraph and Telephone Corporation, a corporation of Japan, having a business address of 19-2 Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-8019, JAPAN, hereinafter referred to as "ASSIGNEES", are desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

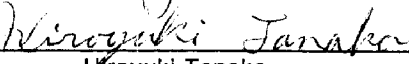
Assignors further agree that they will, without charge to said Assignees, but at Assignees' expense, cooperate with Assignees in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignees lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignees, or Assignees' successors and assigns.

IN TESTIMONY WHEREOF, each Assignor has hereunto signed his/her name to this assignment on the date indicated below.

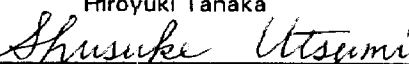
Date: December 28, 1998

  
\_\_\_\_\_  
Kei Yamashita

Date: December 22, 1998

  
\_\_\_\_\_  
Hiroyuki Tanaka

Date: November 26, 1998

  
\_\_\_\_\_  
Shusuke Utsumi

Date: November 27, 1998

  
\_\_\_\_\_  
Atsushi Shionozaiki