FLH Ref. No.: 450117-03847

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE 102031199 PATENTS ONLY Patent and Trademark Office To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof Name of conveying party(ies) 2. Name and address of receiving party(ies) SONY International (Europe) GmbH Paul SZUCS, Matthias MAYER, Stephen TIEDEMANN, Sabine Kemperplatz 1 D-10785 Berlin **GERMANY** Additional name(s) of conveying party(ies) attached? Yes X No Additional name(s) & address(es) attached? Nature of conveyance: Assignment Security Agreement Merger Change of Name Other Execution Date: February 7, 2002 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: February 7, 2002 Patent Application No.(s) _____ filed __ Additional numbers attached? __ Yes Name and address of party to whom correspondence Total number of applications and concerning document should be mailed: patents involved _1_ Name: WILLIAM S. FROMMER Total fee (37 CFR 3.41) \$ 40.00 Enclosed Internal Address: FROMMER LAWRENCE & HAUG LLP Authorized to be charged to deposit account 50-0320 745 FIFTH AVENUE Street Address: Deposit account number: City: NEW YORK State: N.Y. Zip: 10151 (Attach duplicate copy of this page if paying by deposit account) Do not use this space 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. March 13, 2002 William S. Frommer Name of Person Signing Date Total number of pages including cover sheet, attachments, and document: 3 03#25/2002 DBYRNE 00000232 10096894 Do not detach this portion 40.00 OP FC:581 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 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, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

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

CONTROL OF HOME NETWORK DEVICES

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 International (Europe) GmbH, a German corporation, with offices at Kemperplatz 1, D-10785 Berlin, GERMANY (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: _____, Filing Date: ____.

This assignment executed on the dates indicated below.

Paul SZUCS	
Name of first or sole inventor	Execution date of U.S. Patent Application
Ostfildern, Germany	
Residence of first or sole inventor	7.2.2002.
Signature of first or sole inventor	Date of this assignment
Matthias MAYER	
Name of second inventor	Execution date of U.S. Patent Application
Stuttgart. Germany	
Residence of second inventor Apth) as Max	7.7. 7002
Signature of second inventor	Date of this assignment
Stephen TIEDEMANN	
Name of third inventor	Execution date of U.S. Patent Application
Stuttgart, Germany	
Residence of third (nventor	7.2.2002
Signature of third inventor	Date of this assignment

PATENT Page 1 of 2

REEL: 012703 FRAME: 0236

Sabine TERRANOVA Execution date of U.S. Patent Application Name of fourth inventor Stuttgart, Germany Residence of fourth inventor Towaran J. 7.2.2002
Date of this assignment

Signature of fourth inventor

PATENT^{Page 2 of 2} **REEL: 012703 FRAME: 0237**

RECORDED: 03/13/2002