FORM PTO-158

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07-25-2002

U.S. DEPARTMENT OF COMMERCE

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS

1. Name of conveying party(ies):
   Andrew M. Proehl
   Anne Kim

2. Name and address of receiving party(ies):
   Name: Sony Corporation
   Internal Address: 
   Street Address: 7-35 Kitashinagawa 6-Chome
   Shinagawa-Ku
   City: Tokyo  State:  ZIP: 

3. Nature of conveyance:
   - Assignment
   - Merger
   - Security Agreement
   - Change of Name
   - Other

4. Execution Date: 2/23/99 and 2/24/99

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Blakey Sokoloff Taylor & Zafman, LLP
   Internal Address: 1st Floor
   Street Address: 12400 Wilshire Boulevard
   City: Los Angeles  State: CA  ZIP: 90025

6. Total Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)
   Enclosed: $ 40.00
   Authorized to be charge to deposit account

8. Deposit Account Number: 02-2666

DO NOT USE THIS SPACE

   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.
   Sheryl Sue Holloway
   Reg. 78,580
   Name of Person Signing
   Signature
   Date

Total number of pages comprising coversheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 013111 FRAME: 0446
Attachment to Assignment Recordation Cover Sheet

Sony Electronics Inc.
1 Sony Drive
Park Ridge, NJ 07656
ATTORNEY'S DOCKET
No.: 80398.P157 (For Execution After Filing of Patent Application)

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We, Andrew M. Proehl, Franklin Servan-Schreiber, Anne Kim

hereby sell, assign, and transfer to Sony Corporation

a corporation of Japan, having a principal place of business at 6-7-35 Kitashingawa, Shinagawa-ku, Tokyo, 141 Japan; and Sony Electronics, Inc. a corporation of Delaware, having a principal place of business at 1 Sony Drive, Park Ridge, New Jersey 07656 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed December 21, 1998 and assigned Application No. 09/217,671 and is entitled A Method and Apparatus for Displaying an Electronic Program Guide and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights
and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/23, 1999</td>
<td>Andrew M. Proehl</td>
</tr>
<tr>
<td></td>
<td>Franklin Servan-Schreiber</td>
</tr>
<tr>
<td></td>
<td>Anne Kim</td>
</tr>
</tbody>
</table>

State of: ____________________  Assignment Document Return Address:  
| SS.  | BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
LLP  
County of: ________________  | 12400 Wilshire Blvd., Seventh Floor  
|      | Los Angeles, CA 90025-1026  
|      | (408) 720-8598  

On this ______ day of __________, 19______, before me, ________________, the undersigned Notary Public, personally appeared ________________________  
[ ] personally known to me [ ] proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ________ subscribed to the within instrument, and acknowledged that ________ executed it.  
WITNESS my hand and official seal.  
__________________________________  
Notary's Signature  

- 2 -  
Rev. 10/01/96 (A1)  

RECORDED: 07/23/2002  
PATENT  
REEL: 013111 FRAME: 0449