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| Name (2nd party) Jenny S. Chow | | C. C | 7/11/99 |
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| Address (line 3) 7th Floor | | | |
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ASSIGNMENT

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PATENT

No.: 80398.P231 (For Execution After Filing Patent Application)

| in consideration of good and valuable consideration, the receipt of which is hereby | | | |
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| acknowledged, We | | | |
| the undersigned, Yuko S. Nishikawa and Jenny S. Chow | | | |
| | | | |
| hereby sell, assign, and transfer to <u>Sony Corporation</u> | | | |
| a corporation of <u>Japan</u> , having a principal place of business at | | | |
| 7-35 Kitashinagawa, 6-Chome, Shinagawa-ku, Tokyo, Japan; and Sony Electronics, Inc. a | | | |
| corporation of Delaware, having a principal place of business at 1 Sony Drive, Park Ridge, NJ | | | |
| 07656, ("Assignees"), 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 March | | | |
| 25,1 999 and assigned Application No. <u>09/276,479</u> and is entitled A Method and Apparatus for | | | |
| Providing a Calendar-Based Planner in an Electronic Program Guide for Broadcast Events | | | |
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| and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, | | | |

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, 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 patents, reissued patents, reexamination certificates, and extensions 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 applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, 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 same as herein expressed is posse | | by the undersigned, and that full right to convey the the undersigned. |
|---|---------|--|
| | | |
| Date: July 1) Date: July 1/ | 1922 | Name: Yuko S. Nishikawa |
| | | |
| Date:, | 19 | Name: |
| State of:} | As | signment Document Return Address: AKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 400 Wilshire Blvd., Seventh Floor |
| County of:} | Lo | 400 Wilshire Blvd., Seventh Floor s Angeles, California 90025-1026 08) 720-8598 |
| On this day of the undersigned Notary Public, | persona | 19, before me,, Ily appeared |
| |)_subsc | to me on the basis of satisfactory evidence to ribed to the within instrument, and |
| Notary's Signature | | |