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Sony Electronics, Inc.	Name: Sony Corporation Internal Address:
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3. Nature of conveyance: MRD 11-30-98	Street Address: 7-35 Kitashinagawa, 6 Chome
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Execution Date: 11/18/98	Additional name(s) & address(es) attached? Yes No
If this document is being filed together with a new application A. Patent Application No.(s) 08/748,156	n, the execution date of the application is: B. Patent No.(s)
Additional numbers atta	ched? ☐ Yes ■ No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Blakely, Sokoloff, Taylor & Zafman	7. Total fee (37 CFR 3.41)\$ 40.00
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Attorney Docket No.: 50398 . POSAC

LJV/ccm (1/31/96)

PATENT REEL: 9582 FRAME: 0678

ADDITIONAL ASSIGNEE

Attorney Docket: 80398.P084C

Serial No. 08/748,156

Filed: 11/12/96

Sony Electronics, Inc.

1 Sony Drive

Park Ridge, NJ 07656

PATENT REEL: 9582 FRAME: 0679

80398.P084C

ASSIGNMENT

In consideration for value received from Assignees to Assignor, Sony Electronics Inc., 1 Sony Drive, Park Ridge, NJ 07656, the owner of record as evidenced by the attached assignment filed with the below-identified application on November 12, 1996, and recorded at Reel/Frame 7578/0034,

hereby sells, assigns, transfers and conveys jointly unto

Sony Corporation, a corporation of Japan, having a place of business at 7-35 Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo, Japan; and

Sony Electronics Inc., a corporation of the State of Delaware, having a place of business at One Sony Drive, Park Ridge, NJ 07656

its successors, assigns and legal representatives (herein after called the "Assignees"), the entire right, title and interest, for all countries, in and to any and all improvements which are disclosed in the invention entitled METHOD AND APPARATUS FOR IMPROVED GRAPHICAL USER INTERFACE WITH FUNCTION ICONS, which is found in the United States Patent Application No. 08/748,156, filed November 12, 1996;

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted; upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignees or to such nominees as it may designate.

AND authorizes and empowers the said Assignees or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND hereby covenants that it has the full right to convey the entire right, title and interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

AND hereby convenants and agrees that it will communicate to said Assignees or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignees or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

DATED ///8/98

Peter Toto

Representative authorized by Assignor to execute document

Sony Electronics Inc.

PATENT RECORDED: 11/20/1998 REEL: 9582 FRAME: 0680