PTO-1595

08-03-1999

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To the Honorable Commissioner ( Please record the attached original

Name of the conveying party(ies)

Kim Mingo, 265 Clinton Street, Brooklyn, NY 11201

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

SONY CORPORATION 7-35 Kitashinagawa, 6-chome, Shinagawa-Ku, Tokyo, Japan

> SONY ELECTRONICS INC. 1 Sony Drive Park Ridge, New Jersey 09656

Additional Names(s) and Address(es) Attached [X] No

3.	Nature of conveyance:
x	Assignment

Other .

Merger Change of Name

Execution Date(s): July 7, 1999

Security Agreement

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:

Patent Application No(s). 09/260.716

B.Patent No(s).

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

Philip M. Shaw, Jr.

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**DIRECT DIAL: (415) 659-5904** Docket No. 21650.02800

6. Total number of Applications and Patents involved 1

Additional Numbers Attached? [ ] Yes [ X ] No

7.Total Fee (37 CFR § 3.41) . . . . . . . \$ 40.00

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8. Deposit Account No. 03-3821. Please reference Attorney Docket No. 21650.02800

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> 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.

J. William Wigert, Jr. (for Philip M.

Name of Person Signing

July 26, 1999

Dat<u>ed</u>

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**PATENT** REEL: 010130 FRAME: 01

501/26/2

## Docket No. 21650.02800

## ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a joint inventor of certain new and useful improvements in TV PLANNER FOR DSS 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 Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa, 6-chome, Shinagawa-ku, Tokyo, Japan and Sony Electronics Inc., a Delaware corporation with offices at 1 Sony Drive, Park Ridge, New Jersey 09656 (hereinafter referenced as ASSIGNEES) are 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

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 joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEES, their 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 to or 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 ASSIGNEES, as the assignees 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 ASSIGNEES or their designee, as ASSIGNEES or their 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 ASSIGNEES thereof shall hereafter require and prepare at their own expense;

And I further agree that ASSIGNEES will, upon their 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 the attorneys of record in this application to insert the application number and filing date of this application in the spaces that follow: Application Number 09/260,716, Filing Date March 1, 1999.

This assignment executed on the dates indicated below.

Yuko S. Nishikawa	
Name of first inventor	Execution date of U.S. Patent Application
1565 Calle Comille, La Jolla, CA 92037	
Residence of First Sole Inventor	
Signature of First or Sole Inventor	Date of this Assignment
STATE OF)	) ss.
COUNTY OF	ۮ
On before me,	
name(s) is/are subscribed to the within instrument and ackn	ne or proved to me on the basis of satisfactory evidence to be the person(s) whose owledged to me that he/she/they executed the same in his/her/their authorized strument the person(s), or the entity upon behalf of which the person(s) acted,
	WITNESS my hand and official seal.
SEAL	
	Signature of Notary

Jenny S. Chow			
Name of Second Inve	ntor	Execu	ion date of U.S. Patent Application
5228 Heatherwood D	rive, Oceanside, CA 92056		
Residence of Second	Inventor		
Signature of Second I	nventor		Data of this Assignment
Signature of Second 1	nventor		Date of this Assignment
STATE OF	)	)	
COUNTY OF		) ss. )	
On	before me,		
name(s) is/are subscr	ibed to the within instrument an at by his/her/their signature(s) on	to me or proved to me on the basis of satisfactory d acknowledged to me that he/she/they executed the instrument the person(s), or the entity upon b	he same in his/her/their authorized
		WITNESS my hand and official seal.	
SEAL		Signature of Notary	
Kim Mingo			July 7, 1999
Name of Third Invent	or	Execu	tion date of U.S. Patent Application
265 Clinton Street, Bı	rooklyn, NY 11201		
Residence of Third In	•		
VMM. Al	MMXV.		JUN7, 1999
Signature of third inv	entor		Date of this Assignment
STATE OF he	for (C)	) 55	
COUNTY OF		) ss. )	
on 7 th da	July 1999 before me, K 11	1 MINGO	
name(s) is/are subscr	Kim Mingo personally known to ibed to the within instrument and the by his/her/their signature(s) or	o me or proved to me on the basis of satisfactory and acknowledged to me that he/she/they executed in the instrument the person(s), or the entity upon the instrument the person(s).	the same in him and orized
		WITNESS my hand and official seal.	
SEAL		Signature of Notary	2
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		NOTARY PATRICE State of From Common No. 41-8708000 Greens County  Certificate Fig. 1 Out as Cauchy  Country of the State of 2000	

Kazuto Mugura	
Name of Fourth Inventor	Execution date of U.S. Patent Application
309 Kariyado Nakahara-ku, Kawasaki-shi, Kanagawa,	, Japan
Residence of Fourth Inventor	
Signature of Fourth Inventor	Date of this Assignment
STATE OF)	<b>&gt;</b> 22
COUNTY OF	) ss. )
On before me,	
name(s) is/are subscribed to the within instrument and	to me or proved to me on the basis of satisfactory evidence to be the person(s) whose d acknowledged to me that he/she/they executed the same in his/her/their authorized the instrument the person(s), or the entity upon behalf of which the person(s) acted,
	WITNESS my hand and official seal.
SEAL	
	Signature of Notary

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