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FORM <b>2TO-1585</b>	U.S. DEPARTMENT OF COMMERCE
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Tab settings 1017	42322
To the Honorable Commissioner of Patents and Trademarks.	. Fleast 1995
Name of conveying party(ies):	Name and address of receiving party(ies):
Hawley K. Rising, III	Name: Sony Corporation
, <b>,</b> ,	Internal Address:
Nature of conveyance:	Street Address: 7-35 Kitashingawa, 6 Chome,
■ Assignment	Shinagawa-ku, Tokyo, Japan
☐ Security Agreement ☐ Change of Name	City:StateZIP
	Additional passaca & adduscaca attached OF Vac D Na
Other	Additional name(s) & address(es) attached?  ■ Yes □ No
Execution Date: May 22, 2001	
4. Application number(s) or patent number(s):	<u></u>
If this document is being filed together with a new applica	tion, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
00/767 070	
09/767,279	
A dalisi a mad na comple a co	a attack a d (T) - Mar a Mar
Additional numbers	s attached?☐ Yes ■ No
5. Name and address of party to whom correspondence	6. Total Number of applications and patents involved:
concerning document should be mailed:	
Name: BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP	<u> </u>
Internal Address: Seventh Floor	7. Total fee (37 CFR 3.41)\$ 40.00
Street Address: 12400 Wilshire Boulevlard	Enclosed
	Authorized to be charge to deposit account
	0.00.0000
City: Los Angeles State: CA ZIP: 90025-1030	8. Deposit Account Number: 02-2666
	(Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing inform	nation is true and correct and any attached copy is a true copy of the
original document.	
	120 /20-1
Archana B. Vittal (Reg. No.: 45,182)	Signature 5 130 120
Name of Person Signing	Signature Date

Total number of pages comprising cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents Box Assignments

Washington, D.C. 20231

Docket No. <u>80398P342</u>

## **Attachment to Assignment Recordation Cover Sheet**

Sony Electronics, Inc. 1 Sony Drive Park Ridge, NJ 07656

80398P342

PATENT REEL: 011863 FRAME: 0094 Attorney's Docket

## ASSIGNMENT

PATENT

No.: 80398P342 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby
acknowledged,l
the undersigned, Hawley K. Rising, III
hereby sell, assign, and transfer to Sony Corporation
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 <u>Delaware</u> , 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 <u>January 22</u> , 20 <u>01</u> and assigned Application No.
<u>09/767,279</u> and is entitled
A METHOD AND APPARATUS OF USING A NEURAL NETWORK TO TRAIN A NEURAL
NETWORK ,
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 others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Rev. 01/01/2000 (A2)

Date: 5/22 , 200/ Name: Hawley K. Rising, III
State of:    State of: Assignment Document Return Address:   SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
On this <u>72</u> day of <u>May</u> 2001, before me thrustedy, litary luke the undersigned Notary Public, personally appeared tawley know kixing !!!
personally known to me [X] 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.  ELENA M. HERNANDEZ Commission # 1232309 Notary Public - California Santa Clara County My Comm. Expires Aug 15, 2003

Rev. 01/01/2000 (A2) 80398P342

REEL: 011863 FRAME: 0096

				FEE TRA	NSMITTAL FOR FY	Y 2001	
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	[ ]	Applica	ant clai	ms small enti	ty status. See 37 CFR 1.	.27	
2.	<u> </u>	Payme	nt Encl	osed: X	Credit Card Money Order		
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103	80	203 202	40		t claims in excess of 3		
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1						SUBTOTAL (2)	\$0

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01/25/01

**PATENT REEL: 011863 FRAME: 0097** 

FEE CALCU	LATION (c	ontinued)	
B. ADDIT	IONAL FE	ES	
_arge Entity	Small	Entity	
ee Fee		Fee	
Code (\$)	Code	(\$)	Fee Description Fee Paid
105 130		65	Surcharge - late filing fee or oath
127 50	227	25	Surcharge - late provisional filing fee
			or cover sheet
39 130		130	Non-English specification
47 2,520		2,520	For filing a request for ex parte reexamination
112 920		920*	Requesting publication of SIR prior to Examiner action
1,840		1,840*	Requesting publication of SIR after  Examiner action
15 110		55	Extension for reply within first month
16 390		195	Extension for reply within second month
17 890		445	Extension for reply within third month
18 1,390		695	Extension for reply within fourth month
28 1,890		945	Extension for reply within fifth month
19 310		155	Notice of Appeal
20 310		155	Filing a brief in support of an appeal
21 270		135	Request for oral hearing
38 1,510		1,510	Petition to institute a public use proceeding
40 110		55	Petition to revive – unavoidable
41 1,240		620	Petition to revive - unintentional
42 1,240 43 440		620	Utility Issue fee (or reissue)
43 440 44 600		220 300	Design issue fee Plant issue fee
22 130		130	
23 50		50	Petitions to the Commissioner Processing fee under 37 CFR 1.17(q)
26 180		180	Submission of Information Disclosure Stmt
81 40		40	Recording each patent assignment per
	001	40	property (times number of properties) 40.00
46 710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))
49 710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))
79 710	279	355	Request for Continued Examination (RCE)
69 900		900	Request for expedited examination of a design application
95 300	195	300	Publication fee for early, voluntary, or normal publication
96 300		300	Publication fee for republication
94 130		130	Request for voluntary publication or republication
98 130		130	Processing fee under 37 CFR 1.17(i)
91 1,240	091	1,240	Acceptance of unintentionally delayed claim for priority
ther fee (spe	ecify)		
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UBMITTED	BY:		
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ignature:	Un	houa	/ Mtal Date: 5/30/2001

Telephone Number: <u>(408) 720-8300</u> WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

- 2 -

01/25/01

Reg. Number:

45,182

PTO/SB/17

PTO/SB/17(11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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	Date			ry 22, 2001						
	Named In	ventor		y K. Rising, III						
Group	Art Unit_		2122							
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1.	<ol> <li>X ] The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</li> </ol>									
		•		ınt Number ınt Name	02-2666					
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	[ ]	Applica	ant claii	ms small entity	status. See 37 CFI	R 1.27				
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103	80	202	40		claims in excess of	3				
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> **PATENT REEL: 011863 FRAME: 0099**

FEE	CALCULA	TION (co	ntinued)		
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105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee	
'-'				or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to	
		446	4.040*	Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	217	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	219	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	1,510	240	55	Petition to revive – unavoidable	
141	1,240	240	620	Petition to revive - unavoidable  Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	242	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per	
001	70	301	70	property (times number of properties) 40.00	
146	710	246	355	For filing a submission after final rejection	
170	7.10	2-70		(see 37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined	
l •		0	200	(see 37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design	
	3			application	
195	300	195	300	Publication fee for early, voluntary, or normal	
				publication	
196	300	196	300	Publication fee for republication	
194	130	194	130	Request for voluntary publication or republication	
098	130	098	130	Processing fee under 37 CFR 1.17(i)	
091	1,240	091	1,240	Acceptance of unintentionally delayed claim for priority	
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**Telephone Number:** <u>(408)</u> 720-8300

01/25/01 PTO/SB/17

> **PATENT REEL: 011863 FRAME: 0100**

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**RECORDED: 06/04/2001** 

Reg. Number: