## 07-28-2000



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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o t	he Commissioner of Patents and Trademarks	16084 attached original documents or copy thereof.
	Name of conveying party(ies):	2. Name and address of receiving party(ies):
	TOMOTAKA OGINO, TAKAHIRO ISHII and TAKASHI TOTSUKA	
		Name: Sony Corporation
	L110.30.00	Internal Address:
		Street Address: 7-35, Kitashinagawa 6-Chome
	Additional name(s) of conveying party(ies) attached?	City, State and Zip: Shinagawa-ku, Tokyo, 141-0001 JAPAN
	Yes X No	Additional Name(s) & address(es) attached?
	Nature of Conveyance:	☐ Yes         X No
•	natare of donveyance.	
X	Assignment Merger	
	Security Agreement Change of Name	
	Other Execution Date: June 6, 2000; May 29, 2000 and June 12,	
000	-	
•	Application number(s) or patent number(s):	
	If this document is being filed together with a new applicat	ion, the execution date of the application is:
	A. Patent Application No. 09/510,082	B. Patent No.(s)
	B. Filed: February 22, 2000	
	Additional numbers attached?	Yes X No
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
	Name: Charles P. Sammut	7. Total fee (37 CFR 3.41):\$ 40.00
	Internal Address: Limbach & Limbach L.L.P.	X Enclosed Cy Charge any deficiencies in the enclosed fee to
	Street Address: 2001 Ferry Building	Deposit Account No. 12-1420  Authorized to be charged to deposit account
	City, State, ZIP: San Francisco, California 94111 Telephone: (415) 433-4150	Authorized to be charged to deposit account
	Facsimile: (415) 433-8716	8. Deposit account number: 12-1420
	Attorney Docket No. SONY-T0214	
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٠.	Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and	L correct and any attached copy is a true copy of the original document.
	To the best of my knowledge and belief, the folegoing information is the and	
	Charles P. Sammut, Reg. No. 28,901	June 29, 2000
	Name of Person Signing	Signature Date
	Total number of	pages including cover sheet, attachments and document: 3
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	Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks,	Roy Assignments Washington, D.C. 20231
	Public burden reporting for this sample cover sheet is estimated to average abdocument and gathering the data needed, and completing and reviewing the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average and the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet is estimated to average about the sample cover sheet and the sample cover sh	ample cover sheet Schu committing regarding and outden estimate to the
	Patent and Trademark Office, Office of Information Systems, PK2-1000C, Was	hington, D.C. 20213, and to the Office of Management and Budget, Paperwork
	Reduction Project. (0651-0011). Washington. D.C. 20503	
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PATENT Revised: 04/21/97

Docket Number: SONY.-T0214

## ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in A CONTOUR EXTRACTION APPARATUS, A METHOD THEREOF, AND A PROGRAM RECORDING MEDIUM

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 (hereinafter referenced as ASSIGNEE) is 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 countries;

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

And I further agree that ASSIGNEE will, upon its 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 my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 09/510,082 Filing Date: 02/22/2000

This assignment executed on the dates indicated below.

TOMOTAKA OGINO	Execution date of U.S. Patent Application
Name of first or sole inventor	execution date of 0.5. Patent Approaches
TOKYO, JAPAN	
Residence of first or sole inventor  Tomotaka Ogina	6/6/2000
Signature of first or sole inventor	Date of this assignmen

PATENT REEL: 010943 FRAME: 0741

TAKAHIRO ISHII	
Name of second inventor	Execution date of U.S. Patent Application
TOKYO, JAPAN	
TOKYO, JAPAN Residence of second inventor	,
Torkahina ISHII	429/2000
Signature of second inventor	Date of this assignment
TAKASHI TOTSUKA	
Name of third inventor	Execution date of U.S. Patent Application
CHIBA, JAPAN	
Residence of third inventor	
	Date of this assignment
Signature of third inventor	Date of this assignment
	Execution date of U.S. Patent Application
Name of fourth inventor	Execution date of U.S. Fatent Application
Residence of fourth inventor	
Signature of fourth inventor	Date of this assignment
2.401	Execution date of U.S. Patent Application
Name of fifth inventor	
Residence of fifth inventor	
	Date of this assignment
Signature of fifth inventor	

**RECORDED: 06/30/2000** 

PATENT REEL: 010943 FRAME: 0742