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To the Honorable Commissioner of	Patents and Trademarks. Please record the attach	ned original documents or copy thereof.			
1. Name of conveying party(ies):	1 20 2	Name and address of receiving party(ies):			
Masatoshi Sawamura Yoshiki Kanayama	1_28_63	Name: Sony Corporation			
Additional name(s) of conveying	party(ies) attached? Yes No	Internal Address:			
3. Nature of Conveyance:					
X Assignment	Merger	Street Address: 7-35 Kitashinagawa 6-chome Shinagawa-ku, Tokyo, Japan			
Security Agreement	Change of Name	City State ZIP			
Other Execution Date: January 7, 2003	3	Additional name(s) & address(es) attached? Yes X No			
4. Application number(s) or patent	number(s):				
If this document is being filed toget	ther with a new application, the execution date of t	the application is January 7, 2003			
A. Patent Application No	10343268	B. Patent No.(s)			
	Additional numbers attached	Yes X No			
Name and address of party to whe concerning document should be reconcerning to the concerning document should be reconcerning to the concerning document should be reconcerned.	•	6. Total number of applications and patents involved:			
Name: Jay H. Maioli Internal Address: Cooper & Dun	nham LLP	7. Total fee (37 CFR 3.41):\$ 40.00			
		Enclosed			
Street Address:1185 Avenue o	of the Americas	Authorized to be charged to deposit account 8. Deposit account number:			
Succession 1705 Avenue of		03-3125 (Attach duplicate copy of this page if paying by deposit account)			
City: New York State: New	York ZIP 10036	copy of this page if paying by deposit account)			
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Statement and signature.					
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.					
Jay H. Maioti, Reg. No. 27,213 Name of Person Signing	Jay VM Aroli Signature	January 28, 2003 Date			
		Total Number of pages comprising cover sheet:			
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S02P0721US00 Docket Number 7449/67053

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 PORTABLE WIRELESS COMMUNICATION TERMINAL DEVICE

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 at6-7-35 Kitashinagawa, Shinagawa-Ku, Tokyo, Japan (hereinafter reference 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 thereof;

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 thereof;

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_______Filing Date______

PATENT REEL: 013950 FRAME: 0202 This assignment executed on the dates indicated below.

Masatoshi Sawamura	
Name of first or sole inventor	Execution date of U.S. Patent Application
Saitama, Japan	
Residence of first or sole inventor Masatoshi Jawamura	January 7, 2003
Signature of first or sole inventor	Date of this assignment
Yoshiki Kanayama	
Name of second inventor	Execution date of U.S. Patent Application
Kanaqawa, Japan	
Residence of second inventor	
Signature of second inventor	January 7, 2003
Signature of second inventor	Date of this assignment

RECORDED: 01/28/2003

PATENT REEL: 013950 FRAME: 0203