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RECORDATION FORM COVER

PATENTS	ONLY 103525754
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
To the Director of the U.S. Patent and Trademark Office: Please 1. Name of conveying party(les): Tamaki Konno (07/10/2008), Yoshitaka Aoki (07/10/2008), Keiichi Tsutsui (07/10/2008), and Naohiro Adachi (07/10/2008) Additional name(s) of conveying party(les) attached? 3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name X Assignment	2. Name and address of receiving party(les) Name: Sony Corporation Internal Address: Street Address: 1-7-1 Konan, Minato-ku Tokyo, 108-0075 JAPAN City: State: Country: Zip: Additional name(s) & address(es) attached:
4. Application or patent number(s): A. Patent Application No.(s) This application Additional numbers attached?	This document is being filed together with a new application. B. Patent No.(s) Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Randy J. Pritzker WOLF, GREENFIELD & SACKS, P.C. Internal Address: Street Address: Federal Reserve Plaza 600 Atlantic Avenue	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title)
City: Boston State: MA Zip: 02210-2206	8. Payment Information a. Credit Card Last 4 Numbers
Phone Number: 617.646.8646 Email Address: rpritzker@wolfgreenfield.com	b. Deposit Account Number Authorized User Name
9. Signature: Laure J. Pritale Signature Randy J. Pritzker - 35,986 Name of Person Signing	Dec 9-9-04 Date Total number of pages including cover sheet, attachments, and documents: 3

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S1459.70506US00	

	Docket Number:
TO ATRACE NOT	

ASSI	CN	ME	'NT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole invento only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in CARD-TYPE PERIPHERAL DEVICE

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my mand address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 1-7-1 Konan, Minato-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 grautherefor 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 considerat the receipt and sufficience of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these present hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Let Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all pric rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Conven Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Ame adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue 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 favo ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invent 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 lavapapers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissure reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and docum relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known 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 we would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in thi this application in the spaces that follow: Serial Number:	s application to insert the serial number and filing dat, Filing Date:
This assignment executed on the dates indicated below.	
Tamaki KONNO	July 10, 2008
Name of first or sole inventor	Execution date of U.S. Patent Applica
Tokyo, Japan	
Residence of first or sole inventor	
TAMAKI KONNO Signature of first or sole inventor	July 10, 2008 Date of this assignm

PATENT REEL: 021566 FRAME: 0145

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Signature of second inventor	Date of this assign
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Name of third inventor	Execution date of U.S. Patent Applic
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Residence of third inventor	
Keuch Toutous	July 10, wob Date of this assign
Signature of third inventor	Date of this assign
•	
Naohiro ADACHI	July 10. 2008
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Name of fifth inventor	Execution date of U.S. Patent Appli
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Signature of fifth inventor	Date of this assign
C Of Well HITOHOOT	Date of tills assign

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