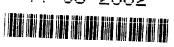


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U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)  OMB No. 0651-0027 (exp. 5/31/2002)  Tab settings ⇒ ⇒ ⇒ ▼ ▼ ▼	5908
	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):  Hiroyuki Osaki Shinichiro Kato	Name and address of receiving party(ies)     Name: Sony Corporation  Internal Address:
Additional name(s) of conveying party(les) attached? 📮 Yes 🛂 No	
3. Nature of conveyance:  ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other	Street Address: 7-35 Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo, Japan
Execution Date: October 16, 2002	City:State:Zip: Additional name(s) & address(es) attached? 📮 Yes 🛂 No
A. Patent Application No.(s)  10/ 215,100  Additional numbers at	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert J. Depke	ttached? Yes No  6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)\$
Internal Address: Holland & Knight LLC	Enclosed  Authorized to be charged to deposit account
Street Address: 55 West Monroe Street	8. Deposit account number:
Suite 800  City: Chicago State: IL Zip: 60603	(Attach duplicate copy of this page if paying by deposit account)
0021 TO NOT USE	E THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing is a true copy of the original document.  Robert J. Depke  Name of Person Signing	information is true and correct and any attached copy    ()   2   ()     Signature   Date

Total number of pages including cover sheet, attachments and documents

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

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

Docket Number: 075834.00154

## 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

## **ROTARY HEAD CLEANING DEVICE**

for which an 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, do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, the entire right, title and interest in the said invention, said application, including any divisions and continuations as well as any reissues and reexaminations 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 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 reconfiling date of this application in the spaces that follow: Serial No. 10/21	rd in this application to insert the serial number and 5,100 Filing Date: August 8, 2002	
This assignment executed on the dates indicated below.		
Hiroyuki OSAKI		
Name of first or sole inventor	Execution date of U.S. Patent Application	
Miyagı, Japan		
Residence of first or sole inventor		
Himsely Onkil	O. J. 11 2002	

Signature of First or søle inventor

PATENT REEL: 013455 FRAME: 0611

Date of this Assignment

Shinichiro KATO	
Name of second inventor	Execution date of U.S. Patent Application
Tokyo, Japan	
$\phi h \cdot \cdot f \cdot \phi +$	2+ / 1 2003
Signature of second inventor	Date of this Assignment
	_
Name of third inventor	Execution date of U.S. Patent Application
7 tanie 02 tanie al rentor	Enceution date of old. I stem Apparenton
Residence of third inventor	
Signature of third inventor	Date of this Assignment
Name of fourth inventor	Hypopytion data of U.S. Batont Application
Name of fourth inventor	Execution date of U.S. Patent Application
Residence of fourth inventor	
Signature of fourth inventor	Data of this National
Signature of fourth inventor	Date of this Assignment
Name of fifth inventor	Execution date of U.S. Patent Application
Residence of fifth inventor	
Signature of fifth inventor	Date of this Assignment
Name of sixth inventor	Execution date of U.S. Patent Application
Residence of sixth inventor	
Signature of sixth inventor	Date of this Assignment
Name of seventh inventor	Execution date of U.S. Patent Application
Residence of seventh inventor	
Signature of seventh inventor	Date of this Assignment

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**RECORDED: 11/04/2002** 

PATENT REEL: 013455 FRAME: 0612