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the Commissioner of Patents and T. 100752265	ginal documents of the there .
Name of conveying party(ies): TAKUM1 SASAK1	2. Name and address of redeiling party(ies): Name: Sony Corporation Internal Address:
litional name(s) of conveying party(ies) attached? [] Yes [X] No	Street Address: 7-35, Kitashinagawa 6-Cheme City, State and Zip: Shinagawa-ku, Tokyo, JAPAN
Nature of Conveyance: Assignment	Additional Name(s) & address(es) attached? Yes X No
Application number(s) or patent number(s): A. Patent Application No.(s) 09/020,215 Filed: February 6, 1998	B. Patent No.(s)
Additional numbers attached? Name and address of party to whom correspondence concerning document should be mailed:	Yes [X] No ng 6. Total number of applications and patents involved:
Name: Charles P. Sammut Internal Address: Limbach & Limbach L.L.P. Street Address: 2001 Ferry Building City, State, ZIP: San Francisco, California 94111 Telephone: (415) 433-4150 Facsimile: (415) 433-8716 Attorney Docket No. SONY-P8144 [S98P0144US00]	7. Total fee (37 CFR 3.41):\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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Statement and signature. To the best of my knowledge and belief, the foregoing information is true a Charles P. Sammut, Reg. No. 28,901	
Name of Person Signing Total number of	Signature Date f pages including cover sheet, attachments and document: 1
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Docket Number: SONY-P8144

ASSIGNMENT

A5510	1414214
WHEREAS, I, as a below named inventor, resonly one name is listed below) or a joint inventor (if plural nam SWITCH DEVICE	iding at the address stated next to my name, am a sole inventor (if es are listed below) of certain new and useful improvements in
for which application for Letters Patent of the United States of A and address;	merica was executed by me on the date indicated next to my name
Shinagawa-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNE	unese corporation with offices at 7-35 Kitashinagawa 6-Chome, E) is desirous of acquiring all interest in, to and under said invention, by Letters Patent or similar legal protection which may be granted;
the receipt and sufficiency of which are hereby acknowledged, I, hereby assign, sell and transfer unto the said ASSIGNEE, its succinterest in the said invention, said application, including any diverant of the United States, and countries foreign thereto, which mights and/or convention rights under the International Convention Relating to Patents, Designs and Industrial Models, and any other adheres, and to any other benefits accruing or to accrue to me we	m of One Dollar (\$1.00), and other good and valuable consideration, as a sole or joint inventor as indicated below, by these presents do cessors, assigns, and legal representatives, the entire right, title and isions and continuations thereof, and in and to any and all Letters may be granted for said invention, and in and to any and all priority for the Protection of Industrial Property, Inter-American Convention or international agreements to which the United States of America with respect to the filing of applications for patents or securing of reby authorize and request the Commissioner of Patents to issue the mee of the whole right, title and interest thereto;
ASSIGNEE or its designee, as ASSIGNEE or its successors, assign	e and lawful future documents, including assignments in favor of gns and legal representatives may from time-to-time present to me id invention, modifications, and improvements in said invention, foreign thereto;
papers for application for foreign patents, for filing subdivisions	ithout further remuneration, such necessary or desirable and lawful of said application for patent, and or, for obtaining any reissue or aid invention, as the ASSIGNEE thereof shall hereafter require and
	est, be provided promptly with all pertinent facts and documents t and legal equivalents in foreign countries as may be known and the or litigation related thereto;
And I hereby covenant that no assignment, sale, agreeme would conflict with this assignment and sale.	nt or encumbrance has been or will be made or entered into which
And I hereby authorize and request my attorney(s) of receithis application in the spaces that follow: Serial Number: $09/0$	ord in this application to insert the serial number and filing date of 20,215 Filing Date: 02/06/1998
This assignment executed on the dates indicated below.	
TAKUMI SASAKI	05/06/1998
Name of first or sole inventor	Execution date of U.S. Patent Application
CHIBA, JAPAN	
Residence of first or sole inventor	05/06/1998
Signature of first or sole inventor	Date of this assignment