

REC'D PCT/PTO 19 FEB 2003

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SON-2323/KOI 2/19/03		05-15-2003 		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and T		102448403		at documents or copy thereof.	
1. Name of conveying party(ies) (1) Katsumi KOBORI (2) Masami OKADA Additional name(s) of conveying party(ies) attached No.		2. Name and address of receiving party(ies) Name: SONY CORPORATION Internal Address: Street Address: 7-35 KITASHINAGAWA 6-CHOME SHINAGAWA-KU City: TOKYO, JAPAN Additional name(s) & address(es) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name Execution Date: 09/09/02		4. Application number(s) or patent number(s): <u>10/221,961</u> If the document is being filed together with a new application, the execution date of the application			
5. Name and address of party to whom correspondence concerning document should be mailed: Name Ronald P. Kananen, Esq. Internal Address: RADER, FISHMAN & GRAUER Suite 501 Street Address: 1233 20th Street, NW City: Washington, D.C. Zip: 20036		6. Total number of applications and patents involved:..... 1 7. Total fee (37 CFR 3.41)..... \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account			
DO NOT USE THIS SPACE		8. Deposit account number: 18-0013 (Attach duplicate copy of this page if paying by deposit account)			
9. 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.					
<u>Ronald P. Kananen</u> Name of Person Signing Total number of pages comprising cover sheet 1		 Signature		<u>February 19, 2003</u> Date	

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

SWITCHING POWER SUPPLY

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 141-0001 Japan (hereinafter referenced
as ASSIGNEES) 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 Ten
Dollar (\$10.00), 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 ASSIGNEES, 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 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 ASSIGNEES, 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 ASSIGNEES or its designee, as ASSIGNEES 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 ASSIGNEES 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: _____, Filing Date: _____.

This assignment executed on the dates indicated below.

Katsumi KOBORI

Name of first inventor Execution date of U.S. Patent Application

Miyagi, Japan

Residence of first inventor

Katsumi Kobori

SEP. 09. 2002

Signature of first inventor Date of this assignment

Masami OKADA

Name of second inventor Execution date of U.S. Patent Application

Miyagi, Japan

Residence of second inventor

Masami Okada

SEP. 09. 2002

Signature of second inventor Date of this assignment

Name of third inventor Execution date of U.S. Patent Application

Residence of third inventor

Signature of third inventor Date of this assignment