

04-04-2002

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Yasuyuki YUFU and Kotaro TAKENAGA

3-22-02

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):

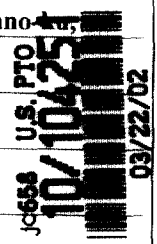
Name: **HITACHI KOKUSAI ELECTRIC, INC.**

Address: **14-20, 3-chome, Higashi-Nakano, Nakano**

City: **Tokyo** State/Prov.:

Country: **Japan** ZIP: **164-8511**

Additional name(s) & address(es) Yes No



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **March 8, 2002**

4. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is: **March 22, 2002**

Patent Application No. **10,104,251** Filing date

Additional numbers Yes No

B. Patent No.(s)

 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Ken I. Yoshida**

Registration No. **37,009**

Address: **KNOBLE & YOSHIDA, LLC**
Eight Penn Center, Suite 1350
1628 John F. Kennedy Blvd.

City: **Philadelphia** State/Prov.: **PA**

Country: **USA** ZIP: **19103**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**
 Enclosed - Any excess or insufficiency should be credited or debited to deposit account
 Authorized to be charged to deposit account

8. Deposit account number:
50-0460

(Attach duplicate copy of this page if paying by deposit account)

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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.

Ken I. Yoshida

Name of Person Signing

March 22, 2002

Signature

Date
3

Total number of pages including cover sheet, attachments, and

04/03/2002 LMEILLER 02/0225 10104251 40.00 IP 01 FC:581

Joint Inventors**DOCKET NO.:** KOKU-0008**ASSIGNMENT**

WHEREAS, we **Yasuyuki YUFU and Kotaro TAKENAGA**, hereinafter referred to as the assignors, residing respectively at Tokyo, Japan, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as **Attorney Docket No. KOKU-0008**, entitled **VARIABLE ATTENUATOR DEVICE HAVING SUBSTANTIALLY CONSTANT IMPEDANCE**

WHEREAS, **HITACHI KOKUSAI ELECTRIC, INC.** hereinafter referred to as the assignee, of 14-20, 3-chome, Higashi-Nakano, Nakano-ku, Tokyo 164-8511, Japan, a corporation of **JAPAN**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

Joint Inventors

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

March 8, 2002
Date

^{Y.Y.}
Yasuyuki Yufu (L.S.)
Yasuyuki YUFU

March 8, 2002
Date

Kotaro Takenaga (L.S.)
Kotaro TAKENAGA