

09-15-1998

**9-9-98**  
To the Honorable Commissioner of Pa



100828678

...ched original documents or copy thereof.

09/15/1998  
U.S. PTO  
09/09/98

## 1. Name of conveying party(ies):

SOGABE, Yasushi; ISHIZU, Fumio; MURAKAMI, Keishi

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

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

Name: MITSUBISHI DENKI KABUSHIKI KAISHA

Internal Address:

Street Address: 2-3, Marunouchi 2-chome, Chiyoda-ku,

City: TOKYO

State:

ZIP:

Country: JAPAN

Postal Code: 100-8310

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: August 28, 1998

## 4. Application number(s) or patent number(s): New

If this document is being filed together with a new application, the execution date of the application is: August 28, 1998

A. Patent Application No(s).

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

Internal Address:

Street Address: P.O. BOX 747

09/15/1998 DALEXAND 00000006 09150011

03 FC:581 City: FALLS CHURCH

State: VA

ZIP: 22040-0747

40.00 DP

Country: USA

## 6. Total number of applications and patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 02-2448

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

DO NOT USE THIS SPACE

## 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

John A. CASTELLANO/#35,094  
Name of Person Signing/Reg. No.

*[Signature]*  
Signature

Sept. 9, 1998  
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, DC 20231

ATTORNEY DOCKET NO.

649-656P

## ASSIGNMENT

Serial No. New

Filed Sept. 9, 1998

WHEREAS, Yasushi SOGABE, Fumio ISHIZU & Keishi MURAKAMI

of Tokyo, Japan

Insert Name(s)  
of Inventor(s)

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

Insert Title  
of Invention

DEMODULATOR, CLOCK RECOVERY CIRCUIT, DEMODULATION METHOD

AND CLOCK RECOVERY METHOD

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date  
of Signing of  
Application

on August 28, 1998; and

WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA

Insert Name  
of Assignee

Insert Address  
of Assignee

of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch and Birch the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U. S. Patent and Trademark Office for recordation of this document.

*In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).*

Date Aug. 28, 1998, Name of Inventor Yasushi Sogave (SEAL)  
Yasushi SOGAVE (signature)

Date Aug. 28, 1998, Name of Inventor Fumio Ishizu (SEAL)  
Fumio ISHIZU (signature)

Date Aug. 28, 1998, Name of Inventor Keishi Murakami (SEAL)  
Keishi MURAKAMI (signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_ (SEAL)  
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness \_\_\_\_\_

Witness \_\_\_\_\_

Witness \_\_\_\_\_