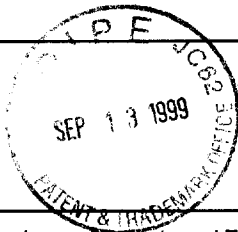


FORM 1595



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09-15-1999



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

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

Takashi ASAHARA  
Toshiharu KOJIMAAdditional name(s) of conveying  
party(ies) attached? ☐ Yes ☒ No

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

Name Mitsubishi Denki Kabushiki Kaisha

Internal Address: \_\_\_\_\_

Street Address: 2-3, Marunouchi 2-chomeChiyoda-kuCity TokyoCountry Japan ZIP 100-8310Additional name(s) & addresses(es) attached?  
☐ Yes ☒ No

## 3. Name of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_Execution Date: September 1, 1999

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

If this document is being filed together with a new application, the execution date of the application is: September 1, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name: Vincent M. DeLucaInternal Address: Rothwell, Figg, Ernst & KurzSuite 701 EastStreet Address: 555 13th Street, N.W.City: WashingtonState: D.C. Zip 200046. Total number of applications  
and patents involved: 17. Total fee (37 CFR 3.41): . . . \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

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09/15/1999 DCOATES 00000013 VINCENT M DELUC

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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.*Vincent M. DeLuca

Name of Person Signing

Vincent M DeLuca

Signature

9/13/99

Date

Total number of pages including cover sheet, attachments and documents: 2

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, I/We Takashi ASAHARA, a citizen of Japan,  
First Named Inventor c/o MITSUBISHI DENKI KABUSHIKI KAISHA,  
 residing at 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan,  
Address

Toshiharu KOJIMA, a citizen of Japan,  
Second named Inventor, if any c/o MITSUBISHI DENKI KABUSHIKI KAISHA,  
 residing at 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 Japan,  
Address

\_\_\_\_\_, a citizen of \_\_\_\_\_,  
Third Named Inventor, if any  
 residing at \_\_\_\_\_,  
Address

\_\_\_\_\_, a citizen of \_\_\_\_\_,  
Fourth Named Inventor, if any  
 residing at \_\_\_\_\_,  
Address

ASSIGNOR(S), am/are the inventor(s) of an invention in (insert title) "AUTOMATIC FREQUENCY CONTROLLER AND DEMODULATOR UNIT"

for which I/we have executed an application for Letters Patent of the United States,

[ X ] of even date herewith;

(Check One) [ ] U.S. Serial Number \_\_\_\_\_ filed \_\_\_\_\_;  
 [ ] International Application No. PCT/\_\_\_\_\_ filed \_\_\_\_\_;

and

WHEREAS, MITSUBISHI DENKI KABUSHIKI KAISHA of 2-3, Marunouchi 2-chome,  
Assignee Chiyoda-ku, Tokyo 100-8310 Japan  
Citizenship or Corporate Situs Address

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reexamination certificates, reissues and extensions thereof, and I/we hereby authorize and request the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention at the expense of the ASSIGNEE.

IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s) and seal(s) the day and year set opposite my/our signature(s).

Takashi Asahara Takashi ASAHARA L.S. Date September 1, 1999  
Toshiharu Kojima Toshiharu KOJIMA L.S. Date September 1, 1999  
 \_\_\_\_\_ L.S. Date \_\_\_\_\_, 19\_\_\_\_  
 \_\_\_\_\_ L.S. Date \_\_\_\_\_, 19\_\_\_\_

Witness:

\_\_\_\_\_  
Name \_\_\_\_\_  
Date \_\_\_\_\_  
 \_\_\_\_\_  
Name \_\_\_\_\_  
Date \_\_\_\_\_

Foreign Inventor Sole/Joint Assignment  
 Page 1 of 1