

07-27-1998



PATENT

100775757

IN THE U.S. PATENT AND TRADEMARK OFFICE

10514 U.S. PTO  
09/116196  
07/16/98

Applicant(s): Shuzo FUJIOKA

Application No.:

Group:

Filed: July 16, 1998

Examiner:

For: RECOGNITION SYSTEM AND RECOGNITION METHOD FOR NON-CONTACT  
IC CARDS

Date: July 16, 1998

Docket No.: 0020-4433P

RECORDING OF ASSIGNMENT

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

Sir:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies) (e.g. inventor(s)):

FUJIOKA, Shuzo

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

MITSUBISHI DENKI KABUSHIKI KAISHA  
2-3, Marunouchi 2-chome, Chiyoda-ku  
Tokyo 100-8310 JAPAN

MITSUBISHI ELECTRIC SYSTEM LSI DESIGN CORPORATION  
1-17, Chuo 3-chome, Itami-shi  
Hyogo 664-0851 JAPAN

(  
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)

PATENT

REEL: 9336 FRAME: 0716

## 3. Nature of Conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Merger  
☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: June 23, 1998

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

If this document is being filed together with a new patent application, the execution date(s) of the application is (are)  
June 23, 1998

A. Patent Application No.(s):

B. Patent No.(s):

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

Birch, Stewart, Kolasch & Birch, LLP  
P. O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

6. Total Number of applications and patents involved: 1(One)7. ☒ The recording fee in the amount of \$ 40.00 is enclosed.

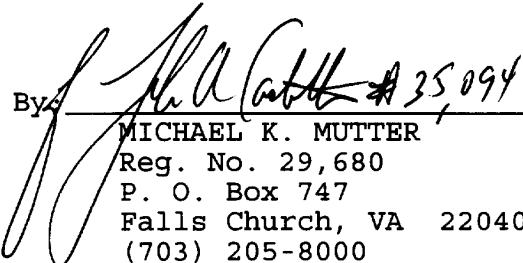
8.      Please charge Deposit Account No. 02-2448 in the amount of \$        . A duplicate copy of this request is enclosed.
9.   X   If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

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.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Date: July 16, 1998

By:  \$35,094  
 MICHAEL K. MUTTER  
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/aam

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET,  
 ATTACHMENTS, AND DOCUMENT: 05

(Rev. 12/21/93)

ATTORNEY DOCKET NO.

20-4433P

## ASSIGNMENT

Application No. New

Filed July 16, 1998

Insert Name(s)  
of Inventor(s)

➡ WHEREAS, Shuzo FUJIOKA

Insert Title  
of Invention

➡ (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_  
RECOGNITION SYSTEM AND RECOGNITION METHOD FOR  
NON-CONTACT IC CARDS

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 June 23, 1998; and

Insert Name  
of Assignee

➡ WHEREAS, Mitsubishi Denki Kabushiki Kaisha and  
Mitsubishi Electric System LSI Design Corporation

Insert Address  
of Assignee

➡ of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN and  
1-17, Chuo 3-chome, Itami-shi, HYOGO 664-0851 JAPAN, respectively,

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 and

CHECK BOX  
IF APPROPRIATE

➡ ☒ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) 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 does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, 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, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

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 Letter 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 of America patent(s) or a grant of a valid United States of America and any foreign 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 Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional 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 & Birch, LLP 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date <u>June 23, 1998</u> ,	Name of Inventor <u>Shuzo Fujoka</u> (signature)
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)
Date _____ ,	Name of Inventor _____ (signature)