

A/D 581.40

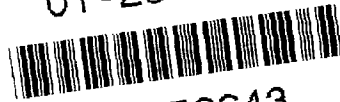
09/958559

JCO8 Rec'd PCT/PTO 10 OCT 2001

FORM PTO-1619A

U.S. Department of Commerce  
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PATENT

01-23-2002



101956643  
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2 SHEET

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**Conveyance Type**

- Assignment
- License
- Merger
- Security Agreement
- Change of Name
- Other \_\_\_\_\_

**Conveying Party(ies)**

Name (line 1) SHIROKURA, Yoshihiko  
 Name (line 2)  
 Second Party  
 Name (line 1) ITO, Shuji  
 Name (line 2)

- Mark if additional names of conveying parties attached
- Execution Date 09/25/01
- Execution Date 09/25/01

**Receiving Party**

Name (line 1) Mitsubishi Denki Kabushiki Kaisha  
 Name (line 2)  
 Address (line 1) 2-3, Marunouchi 2-chome, Chiyoda-ku  
 Address (line 2) Tokyo, Japan 100-8310  
 Address (line 3)

- Mark if additional names of conveying parties attached
- If document to be recorded is an assignment and the receiving party is not domiciled in the U.S., an appointment of domestic representative is attached.

**Domestic Representative Name and Address**

Name: Vincent M. DeLuca  
 Address (line 1): Rothwell, Figg, Ernst & Manbeck  
 Address (line 2): 555 13th St., N.W.  
 Address (line 3): Suite 701-East  
 Address (line 4): Washington, D.C. 20004

Enter for the First Receiving Party only.

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Form PTO-1619B

Page 2

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Correspondent Name and Address**

Area Code and Telephone Number: 202/783-6040

Name: Vincent M. DeLuca  
Address (line 1): Rothwell, Figg, Ernst & Manbeck  
Address (line 2): 555 13th St., N.W.  
Address (line 3): Suite 701-East  
Address (line 4): Washington, D.C. 20004

**Pages** Enter the total number of pages of the attached conveyance document including any attachments

# 1

**Application Number(s) or Patent Number(s)** 09,958559 [ ] Mark if additional numbers attached

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property)*

Patent Application Number(s):

Patent Number(s):

If this document is being filed together with a new Patent Application, enter the date of the patent application was signed by the first named executing inventor.

**Patent Cooperation Treaty (PCT)**

Enter PCT application Number only if a U.S. Application Number has not been assigned

PCT /JP00/00892

**Number of Properties**

Enter the total number of properties involved. # 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$40

Method of Payment:  Enclosed  Deposit Account  Credit Card

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: 02-2135

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.*

Vincent M. DeLuca  
Name of Person Signing

Vincent M DeLuca  
Signature

10 OCT 01  
Date

Registration No. 32,408  
Docket No. 2023-119

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, I/We Yoshihiko Shirokura a citizen of Japan  
First Named Inventor

residing at c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 JAPAN  
Address

Syuuji Itou a citizen of Japan  
Second Named Inventor, if any

residing at c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 JAPAN  
Address

\_\_\_\_\_ a citizen of \_\_\_\_\_  
Third Named Inventor, if any

residing at \_\_\_\_\_  
Address

ASSIGNOR(S), am/are the inventor(s) of an invention in (insert title) A Protocol Conversion Apparatus and Protocol Conversion Method  
for which I/we have executed an application for Letters Patent of the United States,

(Check One)  of even date herewith;  
 U.S. Serial Number \_\_\_\_\_ filed \_\_\_\_\_;  
 International Application No. PCT/JP00/00892 filed  
17/February/2000;

and WHEREAS, Mitsubishi Denki Kabushiki Kaisha, a corporation of Japan  
Assignee Citizenship or Corporate Situs Address

2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 JAPAN  
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, 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 covenants 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 agreements in conflict herewith.

AND, I/WE HEREBY further covenants 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 to my/our signature(s).

Yoshihiko Shirokura L.S. Date September 25 20 01  
Syuuji Ito L.S. Date September 25 20 01  
\_\_\_\_\_ L.S. Date \_\_\_\_\_ 20 \_\_\_\_

Witness: Eiji Nagatoku September 28 2001  
Name Date  
Toshiko Furusawa September 28 2001  
Name Date