

06-11-2003

Attorney Docket No. 030631

102470227

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Submission type: XX NewConveyance type: XX Assignment

Conveying Party(ies): (Last, First, Middle Initial) Execution Date

First party Name: **KUROSAKI, Toru** May 29, 2003Second party Name: **SHISHIDO, Hiroaki** May 29, 2003Third party Name: **KITADA, Mizue** May 29, 2003Fourth party Name: **KUNORI, Shinji** May 29, 2003Fifth party Name: **OHSHIMA, Kosuke** May 29, 2003Additional name(s) of conveying party(ies) attached? Yes No XX

Receiving Party (ies):

First party Name: **SHINDENGEN ELECTRIC MANUFACTURING CO., LTD.**
Address: 2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004, JapanAdditional name(s) & address(es) attached? Yes No XX

Domestic Representative Name and Address (Enter for the first Receiving Party only)

ARMSTRONG, WESTERMAN & HATTORI, LLP
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Washington, D.C. 20006

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 17537 U.S. PTO
 10/449002
 06/02/03

06/04/2003 MAHME1 00000001 10449002

40.00 OP

02 FC:8021

PATENT

REEL: 014140 FRAME: 0833

Correspondent Name and Address

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Pages Enter the total number of pages of the attached conveyance document: 1
(including any attachments, but not counting cover sheets)

Application Number(s) or Patent Number(s) Additional numbers attached? Yes ☐ No ☒ XX

A. Patent Application No.(s)

B. Patent No.(s)

10,449,002

##

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: May 29, 2003

(Do not recite both application and patent numbers.)

Patent Cooperation Treaty (PCT)Enter PCT application number only if

a U.S. Application Number has not been assigned

PCT

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Number of Properties Enter the total number of properties involved: 1

Fee Amount

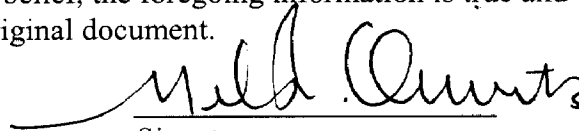
Fee Amount for Properties Listed (37 CFR 3.41). \$40.00

XX Enclosed☐ Authorized to be charged to Deposit Account No.: 01-2340**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.

Mel R. Quintos

Name of Person Signing



Signature

June 2, 2003

Date

31,898

Registration No.

Rev. 11/00

MRQ/yap

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's
Name(s) Address(es))

SHINDENGEN ELECTRIC MANUFACTURING CO., LTD. of

2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

SEMICONDUCTOR DEVICE

(*If the assignment is
being filed after the
filing of the
application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on _____, Serial No. _____.

(Armstrong, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>Toru Kurosaki</u> (Signature)	<u>Toru Kurosaki</u> (Type Name)	<u>29/05/2003</u> (Date)
<u>Hiroaki Shishido</u> (Signature)	<u>Hiroaki Shishido</u> (Type Name)	<u>29/05/2003</u> (Date)
<u>Mizue Kitada</u> (Signature)	<u>Mizue Kitada</u> (Type Name)	<u>29/05/2003</u> (Date)
<u>Shinji Kunori</u> (Signature)	<u>Shinji Kunori</u> (Type Name)	<u>29/05/2003</u> (Date)
<u>Kosuke Ohshima</u> (Signature)	<u>Kosuke Ohshima</u> (Type Name)	<u>29/05/2003</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED