

02-21-2006

10/544128

U.S. Department of Commerce
Patent and Trademark Office

PATENT

103180894

TO: The Commissioner of Patents and Trademarks, Patent and Trademark Office, Washington, D.C. 20590, and the attached original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation)
 Document ID #
☐ Correction of PTO Error
 Reel # Frame #
☐ Corrective Document
 Reel # Frame #

Conveyance Type

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

Conveying Party(ies)

1. Tomohiko ARITSUKA

2.
3.
4.
5.
6.**Execution Date(s)**

July 4, 2005

☐ Mark if Additional Names of Conveying Parties Attached**Receiving Party**

Name Mitsubishi Denki Kabushiki Kaisha

Name

Address 2-3, Marunouchi 2-chome

Address Chiyoda-ku

Address Tokyo

Japan

City

State/Country

100-8310

Zip Code

☐ Mark if Additional Names of Receiving Parties Attached**Correspondent Name and Address**

Jeffrey A. Wyand
 Leydig, Voit & Mayer
 700 Thirteenth St., N.W. Suite 300
 Washington, D.C. 20005-3960

Telephone: (202) 737-6770
 Facsimile: (202) 737-6776
 Attorney Docket No. 403455/PALMO

Pages Enter the total number of pages of the attached conveyance document including any attachments: 2**Application Number(s) or Patent Number(s)**☐ 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 Numbers**Patent Numbers**

10544128

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

Month Day Year
July 4, 2005**Patent Cooperation Treaty (PCT)**Enter PCT application number *only* if a U.S. Application Number has not been assigned.

PCT
 PCT/JP2004/001461
 PCT

PCT
 PCT
 PCT

Number of Properties

Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): 40.00

Method of Payment:

- ☐ Enclosed is a check in the amount of \$
☒ Charge Deposit Account No. 12-1216

Authorization to Charge Additional Fees to Deposit Account No. 12-1216: ☒ 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.

Jeffrey A. Wyand

Name of Person Signing

Signature

Date

Assignment Tml P1

PATENT
 REEL: 017569 FRAME: 0732

ASSIGNMENT

WHEREAS, I,
Tomohiko ARITSUKA
of **c/o MITSUBISHI DENKI KABUSHIKI KAISHA**
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

respectively, have invented and own a certain invention entitled:

POWER CONVERTER

for which invention we have executed an application (provisional or non-provisional)
for a United States patent, which was filed on
under Application No.
and

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

(hereinafter referred to as Assignees), are desirous of acquiring the entire domestic
and foreign right, title and interest in and under the invention described in the patent
application.

Now, THEREFORE, for good and valuable considerations, the receipt and
sufficiency of which are hereby acknowledged, we assign and transfer to the Assignees
and the Assignee's legal representatives, successors and assigns the full and exclusive
rights in and to the invention in the United States and every foreign country and the
entire right, title, and interest in and to the patent application and other such
applications (e.g., provisional applications, non-provisional extensions) that may be
filed in the United States and every foreign country on the invention, and the patents
or extensions thereof, both foreign and domestic, that may issue thereon, and we do
hereby authorize and request the Commissioner of Patents and Trademarks to issue
United States patents to the above-mentioned Assignees agreeably with the terms of
this assignment document.

WE HEREBY AUTHORIZE the Assignees to insert in this assignment document
the filing date and application number of the application if the date and number are
unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignees the right to make
application in its own behalf for protection of the invention in countries foreign to the
United States and to claim under the International Convention and/or other

international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignees that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignees, execute such additional assignments documents and other writings and do such additional acts as the Assignees may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, renewal, or extended patents of the United States or of any all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result such application or patents, and by executing statements and other affidavits, its being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date <u>July 4, 2005</u>	<u>Tomohiko Aritsuka</u> Tomohiko ARITSUKA
Date _____	_____
Date _____	_____
Date _____	_____