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DTOS Rec'd PCT/PTO 23 JUL 2003
PATENT

7.23.03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

11-17-2003

Koji NAKASHIMA et al.



Serial No.: New Application

102602083

Filed: July 23, 2003

For: LOW-PROFILE TRANSFORMER AND METHOD
OF MANUFACTURING THE TRANSFORMER

ASSIGNMENT TRANSMITTAL LETTER

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10466956

Sir:

Please record the attached Assignment in the name of the
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2. Name of Conveying Party(ies):

Koji NAKASHIMA; Satoru TANIGUCHI; Naoki HASHIMOTO;
Tomio MARUI; Tsukasa SUZUKI; Fumiaki HASHIMOTO;
Satoru INABA.

3. Name and Address of Receiving Party(ies):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
1006, Oaza Kadoma
Kadoma-shi, 571-8501 JAPAN.

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4. Execution Date of Assignment: July 3, 2003.
5. If this Assignment is being filed together with a new application, the execution date of the application is: July 3, 2003.
6. Total number of applications and patents involved: 1.

All correspondence should be addressed to:

Roger W. Parkhurst
PARKHURST & WENDEL, L.L.P.
1421 Prince Street, Ste. 210
Alexandria, VA 22314-2805.

The Assignment recordation fee (\$40.00) is covered by our attached Check Number 16731.

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. Total number of pages including cover sheet, attachments and document 3.

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 160331 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.

July 23, 2003 11, 2003
Date


Roger W. Parkhurst
Registration No. 25,177

Attorney Docket No. MEIC:152

PARKHURST & WENDEL, L.L.P.
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ASSIGNMENT

1029054

(1-8)	Insert Name(s) of Inventor(s)	(1) <u>Koji NAKASHIMA</u> (2) <u>Satoru TANIGUCHI</u> (3) <u>Naoki HASHIMOTO</u> (4) <u>Tomio MARUI</u>	(5) <u>Tsukasa SUZUKI</u> (6) <u>Fumiaki HASHIMOTO</u> (7) <u>Satoru INABA</u> (8) _____
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In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9)	Insert name of Assignee	(9) <u>MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.</u>
(10)	Insert address of Assignee	(10) <u>1006, Oaza Kadoma, Kadoma-shi, 571-8501 JAPAN</u> (hereinafter designated as the Assignee) the entire right, title and interest worldwide, including the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11)	Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(11) <u>LOW-PROFILE TRANSFORMER AND METHOD OF MANUFACTURING THE TRANSFORMER</u> _____ (Case No. <u>MEIC:152</u>)
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(12)	Insert Date of Signing of Application	for which the undersigned executed an application for patent in the United States of America (12 on <u>July 3, 2003</u>
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(13)	Alternative identification for filed applications	(13) U.S. application Serial Number _____ filed <u>July 23, 2003</u>
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- 1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, or similar agreements or treaties.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid patents to the Assignee in the United States and elsewhere worldwide.
- 5) The undersigned hereby authorize(s) and request(s) the patent offices or authorities to issue any and all Patents or patent rights resulting from said applications or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.
- 6) The undersigned hereby grant(s) the firm of **PARKHURST & WENDEL, L.L.P.** 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 United States Patent and Trademark Office or any other patent office worldwide, for recordation of this document.

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

Date <u>July 3, 2003</u>	Name of Inventor <u>Koji Nakashima</u>	Koji NAKASHIMA (SEAL)
Date <u>July 3, 2003</u>	Name of Inventor <u>Satoru Taniguchi</u>	Satoru TANIGUCHI (SEAL)
Date <u>July 3, 2003</u>	Name of Inventor <u>Naoki Hashimoto</u>	Naoki HASHIMOTO (SEAL)
Date <u>July 3, 2003</u>	Name of Inventor <u>Tomio Marui</u>	Tomio MARUI (SEAL)
Date <u>July 3, 2003</u>	Name of Inventor <u>Tsukasa Suzuki</u>	Tsukasa SUZUKI (SEAL)
Date <u>July 3, 2003</u>	Name of Inventor <u>Fumiaki Hashimoto</u>	Fumiaki HASHIMOTO (SEAL)
Date <u>July 3, 2003</u>	Name of Inventor <u>Satoru Inaba</u>	Satoru INABA (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u>July 3, 2003</u>	Witness <u>Takanobu Itoh</u>	_____
Date <u>July 7, 2003</u>	Witness <u>Mitsum Miyake</u>	_____

PCT International Application No. PCT/JP02/11061

Filing Date: October 24, 2002

PATENT

RECORDED: 07/23/2003

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