

PATENT ASSIGNMENT

Electronic Version v07

Stylesheet Version v02

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name	Execution Date
Tetsuichiro KASAHARA	2004-05-06
Hitoshi YOSHIKAWA	2004-05-06

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Shinko Electric Industries Co., Ltd.	80, Oshimada-machi,		Nagano-shi, Nagano	JAPAN	381-2287

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10833268

CORRESPONDENCE DATA

FAX NUMBER: 2028870357

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 023850

NAME OF PERSON SIGNING:

Mel R. Quintos

DATE SIGNED:

2004-07-28

Total Attachments: 1  
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CH \$40.00 012340 10833268

PATENT

800013003

REEL: 014906 FRAME: 0014

**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))

**Shinko Electric Industries Co., Ltd.**  
**80, Oshimada-machi, Nagano-shi, Nagano 381-2287 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)

**METHOD OF MANUFACTURING A PLANE COIL**

(\*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 April 28, 2004 Serial No. 10/833,268

(Armstrong, Kratz, Quintos, Hanson & Brooks, LLP is hereby authorized to insert the serial code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor 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)

Tetsuichiro Kasahara  
(Signature)

Tetsuichiro KASAHARA  
(Type Name)

May 6, 2004  
(Date)

Hitoshi Yoshikawa  
(Signature)

Hitoshi YOSHIKAWA  
(Type Name)

May 6, 2004  
(Date)

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(Signature)

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(Date)

NO LEGALIZATION REQUIRED