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 09/643115

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To the Honorable Commissioner of Patents and Trademarks

original documents or copy thereof

1. Name of conveying party(ies): MED
Shinji Nakashima and
Shuuichi Naukawa **08.21.00**

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: SHINKO ELECTRIC CO., LTD.

Internal Address: _____

Street Address: 7-2-14, Taya-cho,
Koto-Ku

City: Tokyo State: _____ ZIP: _____
Japan

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: June 30, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: June 30, 2000

A. Patent Application No.(s) _____

B. Patent No.(s) 09/643115

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Floyd B. Carothers, Esq.

Internal Address: CAROTHERS AND CAROTHERS
Suite 500

Street Address: 445 Fort Pitt Blvd.

City: Pittsburgh State: PA ZIP: 15219

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: _____

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Floyd B. Carothers
 Name of Person Signing

[Signature]
 Signature

August 21, 2000
 Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments

PATENT

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:
(inventor(s) or
person(s) or entity(ies)
who own the invention)

Shuuichi Narukawa
(Type or print name(s) of ASSIGNOR(S))
c/o SHINKO ELECTRIC CO., LTD.
Toyohashi-Plant,
Address 150, Aza-Motoyashiki,
Mitsuya-cho, Toyohashi-shi,
Aichi-ken, Japan
Nationality citizen of Japan

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on _____
Reel _____
Frame _____

hereby sells, assigns and transfers to
ASSIGNEE:

SHINKO ELECTRIC CO., LTD.
(Type or print name of ASSIGNEE)
7-2-14, Toyo-cho, Koto-ku,
Address _____
Tokyo, Japan
a corporation of Japan
Nationality _____

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided _____ percent (_____ %) interest

for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

- and in all foreign countries

in and to, any and all improvements which are disclosed in the invention entitled:

CIRCULATING VIBRATORY LINEAR PARTS-FEEDER

(Assignment of Invention[16-3]—page 1 of 2)

(check and complete (a), (b), (c) or (d))

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. application serial no. _____ filed on _____
- (d) U.S. patent no. _____ issued _____
(also check (e) if foreign application(s) is also being assigned)
- (e) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this June 30, 2000 (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Signature of ASSIGNOR(S)

Shuuichi Narukawa

Shuuichi Narukawa

If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person authorized to sign on behalf of ASSIGNOR

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.
(Assignment of Invention[16-3]—page 2 of 2)

PATENT

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
By: Inventor(s) or Present Owner

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(inventor(s) or
person(s) or entity(ies)
who own the invention)

Shinji Nakashima
(Type or print name(s) of ASSIGNOR(S))
c/o SHINKO ELECTRIC CO., LTD.
Toyohashi-Plant,
Address 150, Aza-Motoyashiki,
Mitsuya-cho, Toyohashi-shi,
Aichi-ken, Japan
Nationality citizen of Japan

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on _____
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hereby sells, assigns and transfers to

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(Type or print name of ASSIGNEE)
7-2-14, Toyo-cho, koto-ku,
Address _____
Tokyo, Japan
a corporation of Japan
Nationality _____

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
- an undivided _____ percent (_____%) interest

for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

- and in all foreign countries

in and to, any and all improvements which are disclosed in the invention entitled:

CIRCULATING VIBRATORY LINEAR PARTS-FEEDER

(Assignment of Invention[16-3]—page 1 of 2)

(check and complete (a), (b), (c) or (d))

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
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- (d) U.S. patent no. _____ issued _____
(also check (e) if foreign application(s) is also being assigned)
- (e) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof

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Signature of ASSIGNOR(S)

Shinji Nakashima

Shinji Nakashima

If ASSIGNOR is a legal entity complete the following information

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(Assignment of Invention[16-3]—page 2 of 2)