

10/204662

DT12 Ser/SPC/TPO 21 AUG 2002

A/ 581-40

R

11-05-2002

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of

original documents or copy thereof.

102272060

1. Name of conveying party(ies):

- 1) Katsutoshi YAMANAKA 4) Yoshiyuki TANAKA
2) Eiji WATANABE 5) Yuuichi TERAZONO
3) Takaaki TERADA

8-21-02

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

August 1, 2002 (1-5)

Execution Date: _____

2. Name and address of receiving party(ies)

Name: KABUSHIKI KAISHA YASKAWA DENKI

Internal Address: 2-1, Kurosaki-Shiroishi

Yahatanishi-ku, Kitakyushu-shi

Street Address: _____

City: Fukuoka State: _____ Zip: 806-0004

Country: Japan

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

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: August 1, 2002

A. Patent Application No.(s)

B. Patent No.(s)

10,204662

Additional numbers attached? ☐ Yes ☒ No

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

Name: KATTEN MUCHIN ZAVIS ROSENMAN

Internal Address: _____

40.00 CH

Street Address: 575 Madison Avenue

15th Floor, IP Department

City: New York State: N.Y. Zip: 10022-2585

6. Total number of applications and patents involved: 1

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

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-1290

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

DO NOT USE THIS SPACE

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.

Michael I. Markowitz

Name of Person Signing

Signature

August 21, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Filed by Express Mail

(Receipt No. EV116757150)

on August 21, 2002

pursuant to 37 C.F.R. 1.10

by

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231ANY FEE DUE WITH THIS PAPER, NOT FULLY
COVERED BY AN ENCLOSED CHECK, MAY BE
CHARGED ON DEPOSIT ACCOUNT NO. 501290

PATENT

REEL: 13443 FRAME: 0969

08/27/2002 FREY1 00000067 501290 10204662
03 FC:581

ASSIGNMENT

Docket No. WAKA 19895

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in: PWM Pulse Control Method

for which

(check one) ☒ an application is being filed concurrently herewith,

☐ an application for a Patent of the United States was filed on _____
and given Application Serial No. _____

and WHEREAS, KABUSHIKI KAISHA YASKAWA DENKI
having a place of business at 2-1, Kuroaki-Shiroishi, Yahatanishi-ku, Kitakyushu-shi, Fukuoka
806-0004 Japan

ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Katsutoshi YAMANAKA
Inventor's Signature Katsutoshi Yamanaka Date August 1, 2002
Residence Fukuoka, Japan Citizenship Japanese
Post Office Address c/o KABUSHIKI KAISHA YASKAWA DENKI, 2-1, Kuroaki-Shiroishi,
Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004 Japan

Full name of second joint inventor, if any Eiji WATANABE
Second Inventor's Signature Eiji Watanabe Date August 1, 2002
Residence Fukuoka, Japan Citizenship Japanese
Post Office Address c/o KABUSHIKI KAISHA YASKAWA DENKI, 2-1, Kuroaki-Shiroishi,
Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004 Japan

Full name of third joint inventor, if any Takaaki TERADA
Third Inventor's Signature Takaaki Terada Date August 1, 2002
Residence Fukuoka, Japan Citizenship Japanese
Post Office Address c/o KABUSHIKI KAISHA YASKAWA DENKI, 2-1, Kurosaki-Shiroishi,
Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004 Japan

Full name of fourth joint inventor, if any Yoshiyuki TANAKA
Third Inventor's Signature Yoshiyuki Tanaka Date August 1, 2002
Residence Fukuoka, Japan Citizenship Japanese
Post Office Address c/o KABUSHIKI KAISHA YASKAWA DENKI, 2-1, Kurosaki-Shiroishi,
Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004 Japan

Full name of fifth joint inventor, if any Yuuichi TERAZONO
Third Inventor's Signature Yuuichi Terazono Date August 1, 2002
Residence Fukuoka, Japan Citizenship Japanese
Post Office Address c/o KABUSHIKI KAISHA YASKAWA DENKI, 2-1, Kurosaki-Shiroishi,
Yahatanishi-ku, Kitakyushu-shi, Fukuoka 806-0004 Japan

Full name of sixth joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of seventh joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of eighth joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Full name of ninth joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____