

A/D 581.40

09/423902
420 Rec'd PCT/PTO 16 NOV 1999FORM PTO-1595
(Rev. 6/93)

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02-01-2000

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101254812

Attorney's Docket No. 019952-128

To the Honorable Commissioner of Patents and Trademarks. Please record the original documents or copy thereof.

1. Name of conveying party(ies):

Takeshi FUJIMURA; Katsuyuki ISHIKAWA; and
Masaaki TOYAMAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

Other: _____

Execution Date: October 29, 1999

2. Name and address of receiving party(ies):

Name: TAIHEIYO CEMENT CORPORATIONAddress: 8-1, Nishikanda 3-chome,
Chiyoda-ku, Tokyo, 101-0065 JAPANAdditional 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: October 29, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Platon N. MandrosAddress: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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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.

William C. Rowland RN 30.888
Name of Person Signing
SignatureNovember 16, 1999
DateTotal number of pages including cover sheet, attachments, and document: 3

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Attorney's Docket No.

ASSIGNMENT

(JOINT)

THIS ASSIGNMENT, by Takeshi FUJIMURA, Katsuyuki ISHIKAWA and
Masaaki TOYAMA, residing at c/o TAIHEIYO CEMENT CORPORATION,
8-1, Nishikanda 3-chome, Chiyoda-ku, Tokyo, 101-0065 Japan
 (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in
CONTROL CIRCUIT AND METHOD FOR PIEZOELECTRIC TRANSFORMER
 set forth in an application for Letters Patent of the United States, [] which is a provisional application
 to be filed herewith; [X] which is a non-provisional application having an oath or declaration executed
 on even date herewith prior to filing of application; [] bearing Application No. _____,
 and filed on _____; and

WHEREAS, TAIHEIYO CEMENT CORPORATION,
 a corporation duly organized under and pursuant to the laws of Japan,
 and having its principal place of business at 8-1, Nishikanda 3-chome,
Chiyoda-ku, Tokyo, 101-0065 Japan, (hereinafter referred to as "the Assignee")
 is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file
 applications on said inventions and the entire right, title and interest in and to any applications,
 including provisional applications for Letters Patent of the United States or other countries claiming
 priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be
 obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$ 1.00) and other good and sufficient
 consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned,
 transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the
 Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and
 to the above-mentioned inventions, the right to file applications on said inventions and the entire right,
 title and interest in and to any applications for Letters Patent of the United States or other countries
 claiming priority to said applications, and any all Letters Patent or Patents of the United States of
 America and all foreign countries that may be granted therefor and thereon, and in and to any and all
 applications claiming priority to said applications, divisions, continuations, and continuations-in-part of
 said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under
 the International Convention for the Protection of Industrial Property, the same to be held and enjoyed
 by the Assignee, for its own use and behalf and the use and behalf of its successors, legal
 representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents
 may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors
 had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the
 Assignee, its successors, legal representatives, and assigns, that, at the time of execution and
 delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and
 interest in and to the inventions set forth in said applications and said applications, including
 provisional applications, above-mentioned, and that the same are unencumbered, and that the
 Assignors have good and full right and lawful authority to sell and convey the same in the manner
 herein set forth;

Application Serial No. _____

Attorney's Docket No. _____

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia, to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee, as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date October 29, 1999 Name of Assignor Takeshi Fujimura
Takeshi FUJIMURA

Date October 29, 1999 Name of Assignor Katsuyuki Ishikawa
Katsuyuki ISHIKAWA

Date October 29, 1999 Name of Assignor Masaaki Toyama
Masaaki TOYAMA