

12-14-1998

09/147154

FORM PTO-1595
P*6919.P05

A/D 581-40

R



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commissioner of Paten.

100919774

al documents or copy thereof.

1. Name of Conveying party(ies): Yoshio HARADA
Tatsuyuki KIMURA
Akio SHIRATORI
Morio YOKOBORI

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

MKS
10-20-98

2. Name and address of receiving party(ies)
 Name: TOCALO CO., LTD.

300 Rec'd PGT/PTO 20 OCT 1998

Internal Address: _____

Street Address: 4-13-4, Fukae-Kitamachi, Higashinada-ku.
Kobe-shi, Hyogo 658, JAPAN

City: _____ State: _____ ZIP: _____

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: September 7, 21, 10 & 10, 1998

4. Application number(s) or patent number(s): 09/147,154

If this document is being filed together with a new application, the execution date of the application is: September 7, 21, 10, & 10, 1998

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: Bruce H. Bernstein

Internal Address: P16919

Street Address: GREENBLUM & BERNSTEIN, P.L.C.
1941 Roland Clarke Place

City: Reston State: VA ZIP: 20191

10/23/1998 MCLAYTRD 00000029 09147154
02 FC:581 40.00 DP

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:
19-0089
 (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.

Bruce H. Bernstein, Reg. No. 29,027 *BH Bernstein* 10-20-98
 Name of Person Signing Signature Date

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

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

PATENT
 REEL: 9630 FRAME: 0933

ASSIGNMENT

WHEREAS, **Yoshio HARADA**, a citizen of Japan, whose post office address is 1-8-18, Takaoka, Okubocho, Akashi-shi, Hyogo 674, Japan, **Tatsuyuki KIMURA**, a citizen of Japan, whose post-office address is c/o Kashima-Kita Electric Power Corporation, 16, Oaza Towada, Kamisu-machi, Kashima-gun, Ibaraki 314-02, Japan, **Akio SHIRATORI**, a citizen of Japan, whose post-office address is c/o Kashima-Kita Electric Power Corporation, 16, Oaza Towada, Kamisu-machi, Kashima-gun, Ibaraki 314-02, Japan, and, **Morio YOKOBORI**, a citizen of Japan, whose post-office address is c/o Kashima-Kita Electric Power Corporation, 16, Oaza Towada, Kamisu-machi, Kashima-gun, Ibaraki 314-02, Japan, hereinafter referred to as the ASSIGNORS, has invented a certain improvement relating to

HEAT TRANSMITTING TUBE FOR BOILER AND METHOD OF MANUFACTURING
THE SAME

for which they have, on the same date as this assignment, jointly executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office, which is a National Stage application of International Application No. PCT/JP97/02898, filed August 20, 1997.

AND WHEREAS, **TOCALO CO. LTD.**, a corporation organized and existing under the laws of Japan, whose post-office address is 4-13-4, Fukae-kitamachi, Higashinada-ku, Kobe-shi, Hyogo 658, Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said Assignors might or could have held and enjoyed the same, if this assignment had not been made.

AND said Assignors hereby agrees to execute all papers necessary to file applications in the United States for said invention and to assign the same to said Assignees, or any assignees acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said Assignors authorizes and requests the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said Assignees, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS on the date(s) listed below.

Yoshio Harada Sept. 7 1998
Yoshio HARADA Date

Witnessed by: Kazumi Tani Sept. 18 1998
(signature) Date
Kazumi TANI

Witnessed by: Noriyuki Mifune Sept. 18, 1998
(signature) Date
Noriyuki MIFUNE

Tatsuyuki Kimura Sept. 21, 1998
Tatsuyuki KIMURA Date

Witnessed by: Kazumi Tani Sept. 22 1998
(signature) Date
Kazumi TANI

Witnessed by: Noriyuki Mifune Sept. 22, 1998
(signature) Date
Noriyuki MIFUNE

AKIO SHIRATORI Sept 10, 1998

AKIO SHIRATORI Date

Witnessed by: Kazumi Tani Sept. 18 1998

(signature) Date

Kazumi TANI

Witnessed by: Noriyuki Mifune Sept. 18, 1998

(signature) Date

Noriyuki MIFUNE

Morio Yokobori Sept. 10, 1998

Morio YOKOBORI Date

Witnessed by: Kazumi Tani Sept. 18 1998

(signature) Date

Kazumi TANI

Witnessed by: Noriyuki Mifune Sept. 18 1998

(signature) Date

Noriyuki MIFUNE