

07-22-2002



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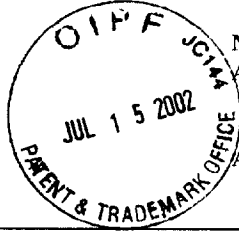
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TO THE ASSISTANT COMMISSIONER FOR PATENTS. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically) 2. Name and address of receiving party(ies):

(1) Matthias Brunner
(2) Ralf Schmid

07/15/02



Name: ETEC Systems, Inc.
Address: 26460 Corporate Avenue
Hayward, California 94545, U.S.A.

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

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

3. Nature of conveyance:

(X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

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

(X) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 10/115,686
Filing Date: April 4, 2002

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

(1) May 21, 2002
(2) May 21, 2002

() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Yasuo Muramatsu
Muramatsu & Associates
Internal Address: Second Floor
Street Address: 7700 Irvine Center Drive, Suite 225
City: Irvine State: CA ZIP: 92618
Attorney's Docket No.: ZIMMAN.001AUS

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

(X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number:

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Yasuo Muramatsu
Name of Person Signing

Yasuo Muramatsu
Signature

7/1/02
Date

38,684
Registration No.

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

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

07/22/2002 LMUELLER 00000052 10115686

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40.00 OP

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, We, **Matthias Brunner**, a citizen of Germany, a resident of Graf-Andechs-Str. 30, 85551 Kirchheim, Germany, and **Ralf Schmid**, a citizen of the Germany, a resident of Betunienweg 9, 85586 Poing, Germany, have invented certain new and useful improvements in METHOD AND APPARATUS FOR TESTING FUNCTION OF ACTIVE MICROSTRUCTURAL ELEMENTS AND METHOD FOR PRODUCING ACTIVE MICROSTRUCTURAL ELEMENTS WITH THE TEST METHOD, for which a CIP Application for Letters Patent was filed the United States on April 4, 2002 and its assigned application number is 10/115,686;

AND WHEREAS, **ETEC Systems, Inc.** (hereinafter "ASSIGNEE"), a California corporation, with its principal place of business at 26460 Corporate Avenue, Hayward, California 94545, U.S.A., desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

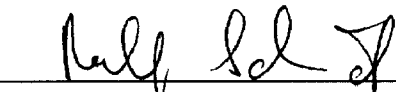
NOW, THEREFORE, in the receipt of valuable consideration which is hereby acknowledged, We, the inventors, do hereby acknowledge that We have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that We will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

This 21 day of May 2002


Matthias Brunner

This 21 day of May 2002


Ralf Schmid