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Form PTO-1595

(Rev. 03/01)

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

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

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Rainer BINDIG
Hans-Jurgen SCHREINER

4.21.03

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

3. Nature of Conveyance:

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

Execution Date: January 24 and January 22, 2002

2. Name and address of receiving party(ies)

CeramTec AG
Name: Innovative Ceramic Engineering

Internal Address:

Street Address:
Fabrikstrasse 23-29

City: D-73207 Plochingen, Germany

: Germany

Zip:

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 new application is:

A. Patent Application No.(s): 10/016,488

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: James R. Crawford
Fulbright & Jaworski L.L.P.

Internal Address: Atty. Dkt CERA-234

Street Address:
666 Fifth Avenue

City: New York, New York

Zip: 10103

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☐ Authorized to be charged to credit card
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8. Deposit account number: 50-0624

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*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.*James R. Crawford
Name of Person Signing

Signature

April 15, 2003
Date

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

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03-15-2002



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(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

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

1. Name of conveying party(ies):

Rainer BINDIG
Hans-Jürgen SCHREINER

3.1.02

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

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

Name: CeremTec AG.
Innovative Ceramic Engineering

Internal Address: _____

Fabrikstrasse 23-29

Street Address: D-73207 Plochingen, GermanyAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other _____Execution Date: January 24, and January 22, 20024. Application number(s) or patent number(s): 10/016,488

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

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: James R. CrawfordInternal Address: FULBRIGHT & JAWORSKI L.L.P.Street Address: 666 Fifth AvenueCity: New York State: NY Zip: 101036. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41) \$40.00☒ Enclosed☒ Authorization to be charged to deposit account if check is not attached8. Deposit Account Number: 50-0624
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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.

James R. Crawford

Name of Person Signing

Signature

February 14, 2002

Date

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Washington, D.C. 20231

CERA-234

ASSIGNMENT

WHEREAS the undersigned [hereinafter (collectively) "ASSIGNOR"] have invented certain new and useful improvements in

EXTERNAL ELECTRODES FOR MULTILAYER ACTUATORS

for which an application for United States Letters Patent was filed on November 1, 2001, and assigned U.S. Serial No. 10/016,488

WHEREAS, CeramTec AG, Innovative Ceramic Engineering, a German corporation, having a place of business at Fabriksstrasse 23-29, D-73207 Plochingen, Germany; (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, and all other countries.

SAID ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

WITNESS, the hand and seal of the ASSIGNOR on the date(s) indicated.

CERA-234

Date(s)

Signature(s)

24.01.02

Rainer Bindig
Rainer BINDIG

22.1.02

Hans-Jürgen Schreiner
Hans-Jürgen SCHREINER

FULBRIGHT & JAWORSKI L.L.P.
666 Fifth Avenue
New York, New York 10103