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(Rev. 6-93)

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Patent and Trademark Office

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

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3-13-03

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

1. Name of conveying party (ies):

- 1) Felix Fastnacht
- 2) Thomas Merklein

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

3. Nature of conveyance:

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

Execution Date: March 18, 2001 for 1, March 12, 2001 for 2.

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

Name: Siemens AktiengesellschaftInternal Address: ZT GG VMStreet Address: Postfach 22 16 34City: MünchenState: GermanyZIP: 80506Additional 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:

A. Patent Application No.(s)

09/803,764

B. Patent No.(s)

Additional numbers attached ☐ Yes ☒ No

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

Name: Lerner and GreenbergStreet Address: P.O. Box 2480City: HollywoodState: FLZIP: 33022

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.4.....) \$ 40.00

- ☒ Enclosed
- ☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page by deposit account)

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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

DENISE LETTAU

Name of Person Signing

Signature

March 4, 2003

Date

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

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

PATENT
REEL: 013837 FRAME: 0824

Docket No.: GR 98 P 3699

ASSIGNMENT

WHEREAS WE, FELIX FASTNACHT and THOMAS MERKLEIN, both residing at ERLANGEN, Germany, have invented certain new and useful improvements in a

**METHOD AND DEVICE FOR DETERMINING A SOOT CHARGE IN A
COMBUSTION CHAMBER**

for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

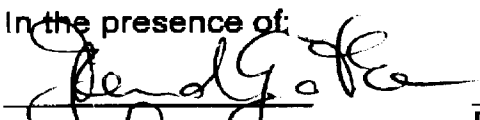
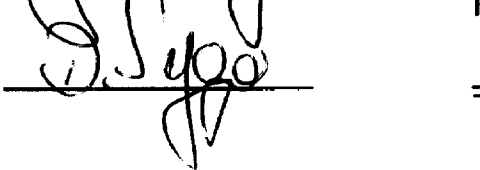
WHEREAS, SIEMENS AKTIENGESELLSCHAFT, a German corporation doing business at München, Germany, is desirous of acquiring the entire interest in said invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for and in consideration of our employment by the said corporation and other valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said corporation, its legal representatives, successors and assigns, the full and exclusive right to the said invention as fully set forth and described in the above-mentioned application, and to said application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of said Letters Patent, the same to be held and enjoyed by the said corporation, its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

AND WE hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States on said invention or resulting from said Application and from any and all divisions and continuations thereof to the said corporation as the assignee of the entire right, title and interest in and to the same.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.

In the presence of:

Felix Fastnacht (LS)
FELIX FASTNACHT

Date: 18.3.01

Thomas Merklein (LS)
THOMAS MERKLEIN

Date: 12.3.01