

09-05-2003

To the Honorable Commissioner of Pa

hed original documents or copy thereof.

1. Name of Conveying party(ies):
Dr. Andreas PETZOLD

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

Name: DEUTSCHES ZENTRUM FÜR LUFT- UND
RAUMFAHRT e.V.

Internal Address: _____

Street Address: LINDER HÖHECity: KÖLN Country: GERMANY Zip: D-51147Additional name(s) & address(es) attached? ___ Yes X NoAdditional name(s) of conveying party(ies) attached? ___ Yes X No

3. Nature of conveyance:

X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ Other _____

Execution Date: AUG. 4, 2003

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 August 4, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ___ Yes x No5. Name and address of party to whom correspondence
should be mailed:Name: Collard & Roe, P.C.
Internal Address: _____Street Address: 1077 Northern BoulevardCity: Roslyn State: NY ZIP: 115766. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

___ Enclosed

X Authorized to be charged to deposit account8. Deposit account number: 03-2468

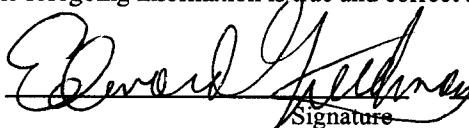
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9. Statement and Signature

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.Edward R. Freedman
Name of Person SigningAugust 22, 2003

Date

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

ASSIGNMENT

(1-5) *Insert Name(s) of Inventors*

(1) Dr. Andreas PETZOLD

(2) _____

(3) _____

(4) _____

(5) _____

In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the receipt of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, and set over to

(6) *Insert name of Assignee*

(6) Deutsches Zentrum für Luft- und Raumfahrt e.V.

(7) *Insert address of Assignee*

(7) Linder Höhe, D-51147 Köln, Germany

(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as

(8) *Insert identification of invention, such as Title, Case Number or Foreign Application Number*

(8) METHOD OF OPTICALLY MEASURING BLACK CARBON IN THE ATMOSPHERE AND APPARATUS FOR CARRYING OUT THE METHOD

for which the undersigned has executed an application for patent in the United States of America

(9) *Insert Date of Signing of Application*

(9) on even date herewith

(10) *Alternative identification for filed applications*

(10) U.S. application Serial Number _____,
filed _____;

and each of the undersigned also agrees to assign, and hereby does assign, transfer and set over to said assignee all applications for patent and any original and reissued Letters Patent of the United States granted for said invention and any divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon, including the subject matter of any and all claims which may be obtained in every such patent.

1) Each of the undersigned agrees to execute all papers in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) Each of the undersigned agrees to communicate to the Assignee or representatives thereof any facts known to him or her respecting the invention and improvements thereof, and will, upon request, but without expense to him or her, testify in any legal proceedings regarding the invention.

5) Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

6) Each of the undersigned hereby grants the firm of Collard & Roe P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon the heirs, executors, administrators, and/or assigns of each of the undersigned, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned.

(1) Date 04/08/2003 Signature of Inventor Andreas Petzold

(2) Date _____ Signature of Inventor _____

(3) Date _____ Signature of Inventor _____

(4) Date _____ Signature of Inventor _____

(5) Date _____ Signature of Inventor _____

Date _____ Witness _____

Date _____ Witness _____

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