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COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 4.15.04
Lorenz Mitschang

Additional names(s) of conveying party(ies) Yes No

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

Name:
Bundesrepublik Deutschland, vertreten durch das Bundesministerium für Wirtschaft und Arbeit, dieses vertreten durch den Präsidenten der Physikalisch-Technischen Bundesanstalt

Address: **Bundesallee 100**

City: **D-38116 Braunschweig** State/Prov.: _____

Country: **Germany** ZIP: _____

Additional name(s) & address(es) Yes No

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

Execution Date: 3/17/04

4. Application number(s) or patent numbers(s): 10471654
If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No. Filing date
USSN 10/471,654 9/12/03

Additional numbers Yes No

B. Patent No.(s)

 Yes No

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

Name: **Marshall M. Curtis**

Registration No. **33,138**

Address: **Whitham, Curtis & Christofferson, PC**
11491 Sunset Hills Road - #340

City: **Reston** State/Prov.: **VA**

Country: _____ ZIP: **20190**

6. Total number of applications and patents involved: **1**

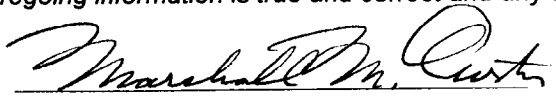
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Marshall M. Curtis  **April 15, 2004**
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and **4**

**ASSIGNMENT OF UNFILED APPLICATION
FOR UNITED STATES PATENT**

WHEREAS:

NAME AND ADDRESS
OF ASSIGNOR:

Lorenz Mitschang of Ramstein-Miesenbach, Germany

(Hereinafter referred to as ASSIGNOR), have invented and own
a certain invention entitled:

TITLE OF INVENTION:

**Method for Calculating Frequency and Amplitude
Modulation for Adiabatic Electro-Magnetic Pulses**

(hereinafter referred to as INVENTION) for which application for
Letters Patent of the United States has been executed on even date
herewith,

WHEREAS:

FULL NAME AND ADDRESS
OF ASSIGNEE:

Bundesrepublik Deutschland, vertreten durch das Bundes-
ministerium für Wirtschaft und Arbeit, dieses vertreten
durch den Präsidenten der Physikalisch-Technischen
Bundesanstalt
Bundesallee 100
D-38116 Braunschweig, Germany

(hereinafter referred to as ASSIGNEE), is desirous of acquiring
the entire interest in, to and under said invention and in, to and
under Letters Patent or similar legal protection to be obtained
therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it
known that good and valuable consideration from ASSIGNEE to
ASSIGNOR, the receipt of which is hereby acknowledged,
ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the
full and exclusive right, title and interest to said invention and all
Letters Patent of the United States to be obtained therefor on said

application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

ASSIGNOR further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for the aforesaid INVENTION as the ASSIGNEE or its designee(s) may from time to time require and prepare at its own expense.

ASSIGNOR hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue on said INVENTION to said ASSIGNEE, as assignee of the whole right, title and interest thereto.

DATE OF SIGNING:

Warning: This must be the same as the date of signing of the declaration and power of attorney of the patent or design application.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 17 day of Maych, 2004.

SIGNATURE(S):

The signature(s) must correspond with the name(s) of the inventor(s) above. Type name(s) of inventor(s) under signature line(s).



(Signature) Lorenz Mitschang

WITNESS:

17 March 2004

Gerd Wübeler

Gerd Wübeler

Instructions for assignment signing:

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed. No witnessing or legalization is necessary. However, if this assignment is legalized, then it will be *prime facie* evidence of the execution of the assignment.

(Assignment of Unfiled Application for United States Patent – page 3 of 3)

RECORDED: 04/15/2004

PATENT
REEL: 015280 FRAME: 0980