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

1. Name of conveying party(ies):

RÖDER, Thomas
SPORER, Thomas
BRIX, Sandra

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

2. Name and address of receiving party(ies)

Name: Fraunhofer-Gesellschaft zur Förderung der
angewandten Forschung e.V.

Internal Address: _____

Street Address: Hansastrasse 27c, 80686 Munich

Germany

City: _____

State: _____

Zip: _____

Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: December 23, 2005

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)
11/257,781

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Gardner Groff Santos & Greenwald, P.C.

Internal Address: Suite 800

Street Address: 2018 Powers Ferry Road

City: Atlanta State: GA Zip: 30339

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

501513

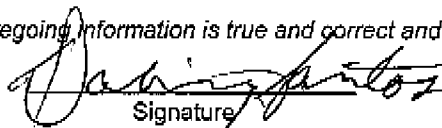
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9. Statement and signature.

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.

Daniel J. Santos
Name of Person Signing



January 16, 2006
Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

CH \$40.00 501513 11257781

Attorney Docket No.: 9S01.1-190
PATENT

ASSIGNMENT

WHEREAS, WE, Thomas RÖDER of Kirchgasse 112a, 99334 Eisleben, Germany, Thomas SPORER of Kieler Strasse 7a, 90766 Fürth, Germany, and Sandra BRIX of Prof.-Köhler-Strasse 26, 98693 Ilmenau, Germany (hereinafter "Assignors"), have invented new and useful improvements in a **"APPARATUS AND METHOD FOR CALCULATING A DISCRETE VALUE OF A COMPONENT IN A LOUDSPEAKER SIGNAL"** for which International Patent Application No. PCT/EP2004/005047 was filed on May 11, 2004, and German Patent Application No. 103 21 980.3 was filed on May 15, 2003; and

WHEREAS, Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., whose post-office address is Hansastrasse 27c, 80686 Munich, Germany, a corporation (hereinafter "Assignee"), is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, the sufficiency of which is hereby acknowledged, Assignors hereby do sell, assign and transfer unto Assignee the entire right, title and interest in and to said invention and application in the United States and throughout the world, including without limitation, any letters patent which may issue thereon or therefor, and any subsequent patent(s) or application(s) claiming priority to the above-identified application, including any non-provisional U.S. patent application(s) claiming priority under 35 U.S.C. § 119(e), any foreign or international counterpart application(s) for patent or utility model, any reissue, reexamination, division, continuation-in-part, extension or continuation application(s), all rights of priority under any international treaty or convention arising from said

Attorney Docket No.: 9S01.1-190

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application, and the right to sue and collect damages for any past, present, or future infringement; the same for Assignee's legal representatives and assigns, as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths, declaration and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid Assignee, its legal representatives and assigns to obtain and enforce proper protection for said invention in all countries throughout the world.

IN WITNESS WHEREOF, I have executed this assignment this 23 day of
December, 2005.

Signed: Thomas Röder

Print Name: Thomas RÖDER

IN WITNESS WHEREOF, I have executed this assignment this _____ day of
_____, 2005.

Signed: _____

Print Name: Thomas SPORER

Attorney Docket No.: 9S01.1-190
PATENT

application, and the right to sue and collect damages for any past, present, or future infringement; the same for Assignee's legal representatives and assigns, as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths, declaration and assignments or other papers and instruments which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid Assignee, its legal representatives and assigns to obtain and enforce proper protection for said invention in all countries throughout the world.

IN WITNESS WHEREOF, I have executed this assignment this _____ day of _____, 2005.

Signed: _____

Print Name: Thomas RÖDER

IN WITNESS WHEREOF, I have executed this assignment this 23 day of December, 2005.

Signed:  _____

Print Name: Thomas SPORER

Attorney Docket No.: 9S01.1-190
PATENT

IN WITNESS WHEREOF, I have executed this assignment this 23 day of
December, 2005.

Signed: 

Print Name: Sandra BRIX