

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Thomas ROEDER	04/20/2006
Thomas SPORER	03/29/2006
Sandra BRIX	04/04/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.
<b>Street Address:</b>	Hansastrasse 27c
<b>City:</b>	Munich
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80686
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11257781
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(770)984-0098
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	770-984-2300
Email:	patent@gardnergroff.com
Correspondent Name:	Gardner Groff Santos & Greenwald, P.C.
Address Line 1:	2018 Powers Ferry Road
Address Line 2:	Suite 800
Address Line 4:	Atlanta, GEORGIA 30339
ATTORNEY DOCKET NUMBER:	9S01.1-190
NAME OF SUBMITTER:	Daniel J. Santos

OP \$40.00 11257781

Total Attachments: 4  
 source=0033.pat(Updated Assignment)#page1.tif

source=0033.pat(Updated Assignment)#page2.tif

source=0033.pat(Updated Assignment)#page3.tif

source=0033.pat(Updated Assignment)#page4.tif

## ASSIGNMENT

WHEREAS, WE, Thomas ROEDER of Kirchgasse 112a, 99334 Elxleben, Germany, Thomas SPORER of Kieler Strasse 7a, 90766 Fuerth, Germany, and Sandra BRIX of Prof.-Koehler-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, German Patent Application No. 103 21 980.3 was filed on May 15, 2003, and United States Patent Application Serial No. 11/257,781 was filed on October 25, 2005; and

WHEREAS, Fraunhofer-Gesellschaft zur Foerderung 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 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 20 day of April, 2006.

Signed: Thomas Roeder

Print Name: Thomas ROEDER

IN WITNESS WHEREOF, I have executed this assignment this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Signed: \_\_\_\_\_

Print Name: Thomas SPORER

rights of priority under any international treaty or convention arising from said 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 \_\_\_\_\_, 2006.

Signed: \_\_\_\_\_

Print Name: Thomas ROEDER

IN WITNESS WHEREOF, I have executed this assignment this 29 day of MARCH, 2006.

Signed: Thomas Sporer

Print Name: Thomas SPORER

IN WITNESS WHEREOF, I have executed this assignment this 04 day of  
APRIL, 2006.

Signed: *Sandra Brix*

Print Name: Sandra BRIX