Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bernhard Grill	07/17/2006
Michael Schug	07/29/2006
Bodo Teichmann	07/22/2006
Nikolaus Rettelbach	07/17/2006

RECEIVING PARTY DATA

Name:	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.
Street Address:	Hansastrasse 27c
City:	Munich
State/Country:	GERMANY
Postal Code:	80686

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11514006

CORRESPONDENCE DATA

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Menlo Park, CALIFORNIA 94025 Address Line 4:

ATTORNEY DOCKET NUMBER: SCHO0299

NAME OF SUBMITTER: Michael A. Glenn

Total Attachments: 5

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Attorney Docket No: SCHO0299

ASSIGNMENT

WHEREAS, We, Bernhard GRILL, Michael SCHUG, Bodo TEICHMANN, and Nikolaus RETTELBACH, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent:

described and set forth in the below-identified application for Officer States Letters Faterit.
Title of Invention: APPARATUS AND METHOD FOR DETERMING A QUANTIZER STEP SIZE
Filing Date: <u>30 August 2006</u> Serial No. <u>11/514,006</u>
WHEREAS, <u>Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.</u> , a corporatio duly organized under and pursuant to the laws of the country of Germany, having its principal place of business at <u>Hansastrasse 27c</u> , <u>80686 Munich</u> , <u>Germany</u> , hereinafter referred to as "ASSIGNEE", idesirous of acquiring the entire right, title, and interest in the said invention and application and in an Letters Patent which may be granted with regard to the same;
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) an other good and valuable consideration, ASSIGNORS have sold, assigned, and transferred, and by thes presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors an assigns, all right, title, and interest in and to said invention, said application for United States Letter Patent and any Letters Patent which may be hereafter granted on the same in the United States and a countries throughout the world, including any divisions, renewals, continuations in whole or par substitutions, conversions, reissues, revivals, prolongation, or extensions thereof, said interest to be hel and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by sai ASSIGNORS had this assignment and transfer not been made, for all time.
ASSIGNORS further agrees that they will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other act as ASSIGNEE may lawfully request, to obtain or maintain Letters Patent for said invention an improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.
ASSIGNORS grants the attorney of record the power to insert on this Assignment any further identificatio that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.
This Assignment may be executed in one or more counterparts, each of which shall be deemed a original and all of which may be taken together as one and the same Assignment.
IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their name to the assignment on the date indicated below.
7. July 06 Bernhard GRILL DATE
Michael SCHUG DATE

PATENT

REEL: 018621 FRAME: 0564

Attorney Docket No: SCHO0299

ASSIGNMENT

WHEREAS, We, <u>Bernhard GRILL</u>, <u>Michael SCHUG</u>, <u>Bodo TEICHMANN</u>, <u>and Nikolaus RETTELBACH</u>, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

APPARATUS AND METHOD FOR DETERMING A QUANTIZER STEP SIZE

	Filing Date:30_August_2006Serial No11/514,006
	WHEREAS, <u>Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.</u> , a corporation duly organized under and pursuant to the laws of the country of Germany, having its principal place of business at <u>Hansastrasse 27c, 80686 Munich, Germany</u> , hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title, and interest in the said invention and application and in any Letters Patent which may be granted with regard to the same;
	NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, ASSIGNORS have sold, assigned, and transferred, and by these presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title, and interest in and to said invention, said application for United States Letters Patent and any Letters Patent which may be hereafter granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or part, substitutions, conversions, reissues, revivals, prolongation, or extensions thereof, said interest to be held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, for all time.
	ASSIGNORS further agrees that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE may lawfully request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.
	ASSIGNORS grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.
	This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.
	IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their name to the assignment on the date indicated below.
	Bernhard GRILL DATE
/	M · Sul 2006/07/29 Michael SCHUG DATE

Attorney Docket No: SCHO0299	
Bodo TEICHMANN	DATE
Nikolaus RETTELBACH	DATE July 06

Attorney Docket No: SCHO0299

Title of Invention:

ASSIGNMENT

WHEREAS, We, <u>Bernhard GRILL</u>, <u>Michael SCHUG</u>, <u>Bodo TEICHMANN</u>, <u>and Nikolaus RETTELBACH</u>, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent:

STEP SIZE

APPARATUS AND METHOD FOR DETERMING A QUANTIZER

Filing Date: 30 August 2006	Serial No.	11/514,006	
WHEREAS, <u>Fraunhofer-Gesellschaft zur Foe</u> duly organized under and pursuant to the law business at <u>Hansastrasse 27c, 80686 Munic</u> desirous of acquiring the entire right, title, an Letters Patent which may be granted with regar	vs of the cou ch, Germany d interest in	ntry of Germany, hav , hereinafter referred the said invention ar	ving its principal place of to as "ASSIGNEE", is
NOW, THEREFORE, TO ALL WHOM IT MAY other good and valuable consideration, ASSIG presents does sell, assign, and transfer unto assigns, all right, title, and interest in and to Patent and any Letters Patent which may be I countries throughout the world, including a substitutions, conversions, reissues, revivals, pand enjoyed by said ASSIGNEE as fully and eASSIGNORS had this assignment and transfer	SNORS have the said AS said invention the said invention the said invention the said inventions, prolongation, exclusively as	sold, assigned, and to SIGNEE, and ASSIGNEE, and ASSIGN, said application for the same in the renewals, continuation extensions thereof it would have been becaused.	transferred, and by these GNEE'S successors and for United States Letters the United States and all tions in whole or part f, said interest to be held
ASSIGNORS further agrees that they will, vexpense, cooperate with ASSIGNEE in the proverify, acknowledge, and deliver all such further the reissue thereof, and instruments of assignals as ASSIGNEE may lawfully request, to obstimprovement in any and all countries, and the successors and assigns.	osecution of er papers, inc ment and trar tain or mair	said application and/ cluding applications for sfer thereof, and will stain Letters Patent	or applications, execute, or Letters Patent and for perform such other acts for said invention and
ASSIGNORS grants the attorney of record the that may be necessary or desirable in order Trademark Office for recordation of this docum	to comply wi		
This Assignment may be executed in one or original and all of which may be taken together			
N TESTIMONY WHEREOF, ASSIGNORS had ate indicated below.	ave hereunto	signed their name to	the assignment on the
Bernhard GRILL	DATE		
Michael SCHUG	DATE		,

Attorney Docket No: SCHO0299		
X RTA	72.07.06	
/ Bodd TEICHMANN	DATE	
Nikolaus RETTEL BACH	DATE	٠

PATENT REEL: 018621 FRAME: 0568

RECORDED: 12/12/2006