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To the Honorable Commissioner of Patents and	Trademarks: Please record the attached o	riginal documents or copy thereof	
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1. Name of conveying party(ies):	Fraunhofer-Ge	of receiving party(ies) esellschaft zur Foerderung der Angewandten	
Eric ALLAMANCHE, Juergen HERRE,	Name: Forschung E.V	/	
Oliver HELLMUTH, and Thorsten KAS	Internal Address:	06-15-2004	
Additional name(s) of conveying party(les) attached?	′es ✓ No ——————		
3. Nature of conveyance:		1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	
✓ Assignment		102765694	
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Security Agreement Change of	of Name 80686 Muenchen,	Germany	
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4. Application number(s) or patent number(s):	1111011213		
If this document is being filed together with a new application, the execution date of the application is: 1/15/2004			
A. Patent Application No.(s) B. Patent No.(s)			
	5. Faterit No.(5)		
Additional numbers attached? Yes Vo			
5. Name and address of party to whom corresp	ondence 6. Total number of app	lications and patents involved:	
concerning document should be mailed:	7. Total fee (37 CFR 3	41) \$ 40.00	
Name: Michael A. Glenn		.41)	
Glenn Patent Group	Enclosed		
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Michael A. Glenn, Reg. No. 30,176	1	1/15/2004	
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PATENT REEL: 015445 FRAME: 0479 In consideration of the sum of one dollar (\$ 1,00) and other good and valuable considerations paid to the undersigned, the undersigned, ALLAMANCHE Eric; HERRE Juergen; HELLMUTH Oliver; KASTNER Thorsten agree to assign, and hereby does assign, transfer and set over to

> FRAUNHOFFR-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. located at Hansastrasse 27c, 80686 Muenchen, Germany

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as

METHOD AND DEVICE FOR CHARACTERIZING A SIGNAL AND METHOD AND DEVICE FOR PRODUCING AN INDEXED SIGNAL

U.S. Serial No. Unassigned Filing Date: Herewith for which the undersigned has (have) executed an application for patent in the United States of America on

- 1) The undersigned agree to execute all papers necessary in connection with the application and any continuing of 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) The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree to perform all affirmative acts which may be necessay to obtain a grant of valid United States patent to the Assignee.
- 4) The undersigned agree to communicate to the Assignee or representatives thereof any facts known to us respecting the invention and improvements thereof, and will, upon request, but without expense to us, testify in any legal proceedings regarding the invention.
- 5) The undersigned hereby authorize and request the Commissioner of Patents to issue any and all Letter Patents the United States resulting form said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby convenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute, any agreement in conflict herewith.
- 6) The undersigned hereby grant the firm of Glenn Patent Group 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 Agreement shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

IN WITNESS WHEREOF, this Assignment was executed by the undersigned on the dates opposite the undersigned names.

11/18/2003
Inventor With

Date 11/18/2003 Inventor work livers ...

PATENT REEL: 015445 FRAME: 0480

11/18/2003	Inventor Cliver Helly H	Witness DUTCUL.
	Oliver HELLMUTH	
11/18/2003	r / 11. 1	
Date	Inventor Monder Heuder	Witness

Thorsten KASTNER

**RECORDED: 01/15/2004** 

**PATENT REEL: 015445 FRAME: 0481**