

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sascha Disch</td> <td>10/26/2012</td> </tr> <tr> <td>Frederik Nagel</td> <td>10/26/2012</td> </tr> <tr> <td>Stephan Wilde</td> <td>10/26/2012</td> </tr> <tr> <td>Lars Villemoes</td> <td>11/08/2012</td> </tr> <tr> <td>Per Ekstrand</td> <td>11/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sascha Disch	10/26/2012	Frederik Nagel	10/26/2012	Stephan Wilde	10/26/2012	Lars Villemoes	11/08/2012	Per Ekstrand	11/13/2012
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<table border="1"> <tr> <td>Name:</td> <td>Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.</td> </tr> <tr> <td>Street Address:</td> <td>Hansastrasse 27c</td> </tr> <tr> <td>City:</td> <td>Munich</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>80686</td> </tr> </table>		Name:	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.	Street Address:	Hansastrasse 27c	City:	Munich	State/Country:	GERMANY	Postal Code:	80686		
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<table border="1"> <tr> <td>Name:</td> <td>Dolby International AB</td> </tr> <tr> <td>Street Address:</td> <td>c/o Apollo Building, 3E Herikerbergweg 1-35, 1101 CN</td> </tr> <tr> <td>City:</td> <td>AMSTERDAM ZUID-OOST</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> </table>		Name:	Dolby International AB	Street Address:	c/o Apollo Building, 3E Herikerbergweg 1-35, 1101 CN	City:	AMSTERDAM ZUID-OOST	State/Country:	NETHERLANDS				
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PROPERTY NUMBERS Total: 1													
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NAME OF SUBMITTER:

Michael A. Glenn

Total Attachments: 4

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ASSIGNMENT

WHEREAS, We/I, Sascha DISCH, Frederik NAGEL, Stephan WILDE, Lars VILLEMOES, and Per EKSTRAND, hereinafter referred to as "ASSIGNOR(S)", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent entitled:

DEVICE AND METHOD FOR IMPROVED MAGNITUDE RESPONSE AND TEMPORAL ALIGNMENT IN A PHASE VOCODER BASED BANDWIDTH EXTENSION METHOD FOR AUDIO SIGNALS

Filing Date: September 5, 2012 Serial No. 13/604,313

WHEREAS,

1. Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V., a corporation duly organized under and pursuant to the laws of the country of Germany, having its principal place of business at Hansastraße 27c, 80686 Munich, Germany,
2. Dolby International AB, a corporation duly organized under and pursuant to the laws of the country of Sweden, having its principal place of business at c/o Apollo Building, 3E Herikerbergweg 1-35, 1101 CN, AMSTERDAM ZUID-OOST, the Netherlands,

are hereinafter referred to as "ASSIGNEES", are 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.

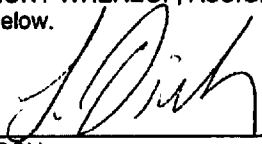
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, ASSIGNOR(S) have sold, assigned, and transferred, and by these presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, 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 ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR(S) had this assignment and transfer not been made, for all time.

ASSIGNOR(S) 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.

ASSIGNOR(S) 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, ASSIGNOR(S) has hereunto signed his name to the assignment on the date indicated below.




Sascha DISCH

10/26/2012
Date



Frederik NAGEL

10/26/2012
Date



Stephan WILDE

10/26/2012
Date

Lars VILLEMOES

Date

Per EKSTRAND

Date

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Sascha DISCH

Date

Frederik NAGEL

Date

Stephan WILDE

Date

Nov 8, 2012

Lars VILLEMOS

Date

Nov 13, 2012

Per EKSTRAND

Date