

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

Assignment ID: PATI222679

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PER EKSTRAND	02/09/2010
	LARS VILLEMOES	02/09/2010
	PER HEDELIN	02/11/2010
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	Dolby International AB	
<b>Street Address:</b>	Atlas Complex	
<b>Internal Address:</b>	Africa Building Hoogoorddreef 9	
<b>City:</b>	Amsterdam	
<b>State/Country:</b>	NETHERLANDS	
<b>Postal Code:</b>	1101 BA	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	18439478
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	4156454000	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	4155580200	
<b>Email:</b>	shakeel.hai@dolby.com	
<b>Correspondent Name:</b>	Shakeel Hai	
<b>Address Line 1:</b>	1275 Market Street	
<b>Address Line 2:</b>	Dolby Laboratories, Inc.	
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94103	
<b>NAME OF SUBMITTER:</b>	Shakeel Hai	
<b>SIGNATURE:</b>	Shakeel Hai	
<b>DATE SIGNED:</b>	05/09/2024	
<b>Total Attachments: 6</b>		
source=D09065US08-Inventors to DIAB-Assignment#page1.tif		
source=D09065US08-Inventors to DIAB-Assignment#page2.tif		
source=D09065US08-Inventors to DIAB-Assignment#page3.tif		

source=D09065US08-Inventors to DIAB-Assignment#page4.tif

source=D09065US08-Inventors to DIAB-Assignment#page5.tif

source=D09065US08-Inventors to DIAB-Assignment#page6.tif

**PATENT**

**REEL: 067366 FRAME: 0223**

## ASSIGNMENT

WHEREAS, Per Ekstrand, a resident of Stockholm, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of the United States Provisional Patent Application No. 61/181,364, filed May 27, 2009, entitled EFFICIENT COMBINED HARMONIC TRANSPOSITION.

WHEREAS, DOLBY INTERNATIONAL AB, a corporation, having a place of business at Atlas Complex, Africa Building Hoogoorddreef 9, Amsterdam, 1101 BA, Netherlands, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said application and the invention to which said application is directed, in and to any and all improvements relating to said invention, and in and to all patents thereon, when granted in the United States and all foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest:

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuation-in-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

3. ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application

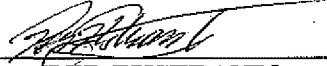
Docket: **D09065US01**

**PATENT**  
**REEL: 067366 FRAME: 0224**

or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: Feb 9, 2010   
[PER EKSTRAND]

in the presence of:

 (1)  
Signature of Witness

Fredrik Selmered  
Print Witness's Name

Kronogårdsvägen 34, 17462 Sundbyberg, Sweden  
Print Witness's Address

in the presence of:

 (2)  
Signature of Witness

Leif Sehlström  
Print Witness's Name

Vedcovägen 61 17762 Järfälla, Sweden  
Print Witness's Address

## ASSIGNMENT

WHEREAS, Lars Villemoes, a resident of Järfälla, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of the United States Provisional Patent Application No. 61/181,364, filed May 27, 2009, entitled EFFICIENT COMBINED HARMONIC TRANSPOSITION.

WHEREAS, DOLBY INTERNATIONAL AB, a corporation, having a place of business at Atlas Complex, Africa Building Hoogoorddreef 9, Amsterdam, 1101 BA, Netherlands, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said application and the invention to which said application is directed, in and to any and all improvements relating to said invention, and in and to all patents thereon, when granted in the United States and all foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest:

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuation-in-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

3. ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application

Docket: **D09065US01**

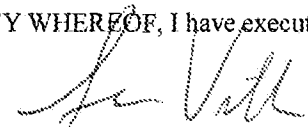
**PATENT**  
**REEL: 067366 FRAME: 0226**

or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.


4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: Feb 9, 2010

  
[LARS VILLEMOTES]

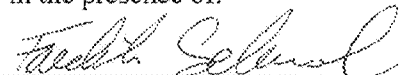
in the presence of:

  
\_\_\_\_\_(1)  
**Signature of Witness**

Leif Selström  
**Print Witness's Name**

Veckovägen 61 17762 Järfälla, Sweden  
**Print Witness's Address**

in the presence of:

  
\_\_\_\_\_(2)  
**Signature of Witness**

Fredrik Selnered  
**Print Witness's Name**

Kronogårdsvägen 34, 17462 Sundbyberg, Sweden  
**Print Witness's Address**

## ASSIGNMENT

WHEREAS, Per Hedelin, a resident of Göteborg, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of the United States Provisional Patent Application No. 61/181,364, filed May 27, 2009, entitled EFFICIENT COMBINED HARMONIC TRANSPOSITION.

WHEREAS, DOLBY INTERNATIONAL AB, a corporation, having a place of business at Atlas Complex, Africa Building Hoogoorddreef 9, Amsterdam, 1101 BA, Netherlands, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said application and the invention to which said application is directed, in and to any and all improvements relating to said invention, and in and to all patents thereon, when granted in the United States and all foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR:

1. ASSIGNOR hereby grants, sells, assigns, transfers and conveys unto ASSIGNEE, or to the extent ASSIGNOR has already done so, ASSIGNOR hereby confirms the grant, sale, assignment, transfer and conveyance unto ASSIGNEE of the entire right, title and interest:

(a) in and to said application, invention, and improvements thereto, and each and every additional application filed anywhere in the world, whether or not the country, jurisdiction, or authority of filing is a member of the International Union for the Protection of Industrial Property (The Paris Convention), which additional application is a division of, substitution of, continuation of, continuation-in-part of, or is a counterpart of, or is in any way based on, claims priority from, or relates to, said application, invention or improvements thereto;

(b) all priority rights associated with the filing of each and every such application, for each country of The Paris Convention, for the Patent Cooperation Treaty, for the European Patent Convention, for all other treaties of like purposes, and for Taiwan; and

(c) in and to each and every patent on said invention or improvements thereto that may be granted by any country, jurisdiction or authority, including each and every patent that may be granted on any of the applications referred to in sub-section (a), and in and to each and every reissue, reexamination certificate, or extension of each and every such patent.

2. ASSIGNOR hereby warrants, covenants and represents that he/she has not heretofore granted to anyone other than ASSIGNEE any license, right or privilege in respect to the said applications, patents, or said invention, nor in any other way encumbered the same, and that he/she has, or in the case of a previous assignment to ASSIGNEE, ASSIGNOR had the full right to convey, free of all licenses and encumbrances, the entire right, title and interest hereby assigned.

3. ASSIGNOR covenants and agrees that at the request and expense of ASSIGNEE he/she will promptly execute all papers deemed necessary or desirable by ASSIGNEE to perfect ownership of said invention, applications, and patents to ASSIGNEE, and execute all oaths, declarations and other papers deemed necessary or desirable by ASSIGNEE for prosecuting said applications and patents, for use in interference proceedings involving said invention, applications and patents, for use in opposition proceedings involving said invention, applications and patents, for refiling said applications, for filing of divisional, substitution, continuation or continuation-in-part applications deemed necessary or desirable by ASSIGNEE, for reissuance or reexamination of said patents, or for the filing in foreign countries of applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application

or which application claims priority from or relates to said invention or improvements thereto. ASSIGNOR further covenants and agrees that at the expense and request of ASSIGNEE, he/she will promptly assist ASSIGNEE in interference, opposition and reexamination proceedings involving said invention, applications and patents, and in litigation involving said invention, applications and patents, and will assist in the ascertainment of facts and the production of evidence relating to said invention, applications and patents.

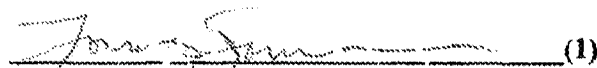
4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: Feb 11, 2010

  
[PER HEDELIN]


in the presence of:

  
Signature of Witness (1)

JONAS SAMUELSSON  
Print Witness's Name

Föregångsg. 2, 16939 Solna, SWEDEN  
Print Witness's Address

in the presence of:

  
Signature of Witness (2)

Fredrik Selmered  
Print Witness's Name

Kronogårdsv. 34, 174 62 Sundbyberg, Sweden  
Print Witness's Address

Docket: D09065US01