

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Heiko Purnhagen	07/11/2011
Pontus Carlsson	08/01/2011
Kristofer Kjoerling	08/25/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DOLBY INTERNATIONAL AB
<b>Street Address:</b>	Apollo Building, 3E
<b>Internal Address:</b>	Herikerbergweg 1-35
<b>City:</b>	Amsterdam Zuidoost
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1101 CN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13255143
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)645-4000
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	4156455773
<b>Email:</b>	bguil@dolby.com
<b>Correspondent Name:</b>	Bianca Miyakawa
<b>Address Line 1:</b>	999 Brannan Street
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94103-4938
<b>ATTORNEY DOCKET NUMBER:</b>	D08071US01/BM
<b>NAME OF SUBMITTER:</b>	Bianca Miyakawa

Total Attachments: 6  
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**PATENT**  
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## ASSIGNMENT

WHEREAS, Heiko Purnhagen, a resident of Sundbyberg, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/160,707 filed March 17, 2009, United States Patent Application No. 61/219,484 filed June 23, 2009 and PCT Application No. PCT/EP2010/052866 filed March 5, 2010 entitled Advanced Stereo Coding Based on a Combination of Adaptively Selectable Left/Right or Mid/Side Stereo Coding and of Parametric Stereo Coding.

WHEREAS, DOLBY INTERNATIONAL AB, a Swedish corporation, having a place of business at Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, 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

Docket: D08071USP1-USP2-W001

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: JULY 27, 2011 Heiko Purnhagen  
HEIKO PURNHAGEN

in the presence of:

[Signature] (1)  
Signature of Witness

FRIDA BERGMAN  
Print Witness's Name

SCHMIDTLAGEN 567, 12263 ENSWEGE  
Print Witness's Address

in the presence of:

[Signature] (2)  
Signature of Witness

JONAS SAMUELSSON  
Print Witness's Name

GÅRDSSTIGEN 5, 17462, SUNDBYBERG  
Print Witness's Address

Docket: D08071USP1-USP2-W001

## ASSIGNMENT

WHEREAS, Pontus Carlsson, a resident of Bromma, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/169,707 filed March 17, 2009, United States Patent Application No. 61/219,484 filed June 23, 2009 and PCT Application No. PCT/EP2010/052866 filed March 5, 2010 entitled Advanced Stereo Coding Based on a Combination of Adaptively Selectable Left/Right or Mid/Side Stereo Coding and of Parametric Stereo Coding.

WHEREAS, DOLBY INTERNATIONAL AB, a Swedish corporation, having a place of business at Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, 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

Docket: D08071USP1-USP2-WO01

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: Aug 1, 2011   
PONTUS CARLSSON

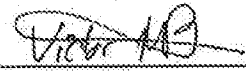
in the presence of:

 (1)  
Signature of Witness

SERGEY SABLIN  
Print Witness's Name

43 Svartviksstigen, 167 38 Bromma, Sweden  
Print Witness's Address

in the presence of:

 (2)  
Signature of Witness

VECTOR MIGUEL  
Print Witness's Name

RINDÖGATAN 19, 11536 STOCKHOLM, SWEDEN  
Print Witness's Address

Docket: D08071USP1-USP2-WO01

## ASSIGNMENT

WHEREAS, Kristofer Kjoerling, a resident of Solna, Sweden, herein referred to as ASSIGNOR, is an inventor and owner of the United States Patent Application No. 61/160,707 filed March 17, 2009, United States Patent Application No. 61/219,484 filed June 23, 2009 and PCT Application No. PCT/EP2010/052866 filed March 5, 2010 entitled Advanced Stereo Coding Based on a Combination of Adaptively Selectable Left/Right or Mid/Side Stereo Coding and of Parametric Stereo Coding.

WHEREAS, DOLBY INTERNATIONAL AB, a Swedish corporation, having a place of business at Apollo Building, 3E, Herikerbergweg 1-35, 1101 CN Amsterdam Zuidoost, 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

Docket: D08071USP1-USP2-W001


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: 25 Aug, 2011   
KRISTOFER KJOERLING

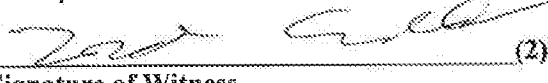
in the presence of:

 (1)  
Signature of Witness

FRIDA BERGMAN  
Print Witness's Name

SOCKENVÄGEN 367, 12263 ENSKEDÉ, SWEDEN  
Print Witness's Address

in the presence of:

 (2)  
Signature of Witness

Jonas Engdegård  
Print Witness's Name

Wenströmsvägen 6, 2tr, 115 43 Stockholm, Sweden  
Print Witness's Address

Docket: D08071USP1-USP2-W001