

# PATENT ASSIGNMENT

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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>                    |
| David McGrath                                                                                                                               | 06/30/2009                               |
| <b>RECEIVING PARTY DATA</b>                                                                                                                 |                                          |
| <b>Name:</b>                                                                                                                                | DOLBY LABORATORIES LICENSING CORPORATION |
| <b>Street Address:</b>                                                                                                                      | 100 Potrero Avenue                       |
| <b>City:</b>                                                                                                                                | San Francisco                            |
| <b>State/Country:</b>                                                                                                                       | CALIFORNIA                               |
| <b>Postal Code:</b>                                                                                                                         | 94103-4813                               |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                            |                                          |
| <b>Property Type</b>                                                                                                                        | <b>Number</b>                            |
| Application Number:                                                                                                                         | 13258338                                 |
| <b>CORRESPONDENCE DATA</b>                                                                                                                  |                                          |
| <b>Fax Number:</b>                                                                                                                          | (415)645-4000                            |
| <b>Phone:</b>                                                                                                                               | (415)645-5773                            |
| <b>Email:</b>                                                                                                                               | bguil@dolby.com                          |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>                       |                                          |
| <b>Correspondent Name:</b>                                                                                                                  | Bianca Miyakawa                          |
| <b>Address Line 1:</b>                                                                                                                      | 475 Brannan Street, Suite 300            |
| <b>Address Line 4:</b>                                                                                                                      | San Francisco, CALIFORNIA 94107-5420     |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                              | D09028US01/BM                            |
| <b>NAME OF SUBMITTER:</b>                                                                                                                   | Bianca Miyakawa                          |
| <b>Total Attachments: 2</b><br>source=D09028US01-20090630-Executed Assign#page1.tif<br>source=D09028US01-20090630-Executed Assign#page2.tif |                                          |

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**PATENT**  
**REEL: 026947 FRAME: 0618**

## ASSIGNMENT

WHEREAS, **David McGrath**, a resident of **Rose Bay, New South Wales, Australia**, herein referred to as **ASSIGNOR**, is an inventor and owner of the United States Provisional Patent Application No. **61/168,350** filed **April 10, 2009**, entitled **OBTAINING A DESIRED NON-ZERO PHASE SHIFT USING FORWARD-BACKWARD FILTERING**.

WHEREAS, **DOLBY LABORATORIES LICENSING CORPORATION**, a New York corporation, having a place of business at 100 Potrero Street, San Francisco, California, 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

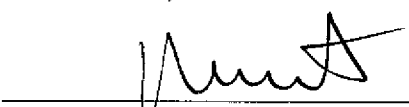
applications for patents counterpart to or in any way based on or relates to said application or to an application which is a division of, substitution of, continuation of, continuation-in-part of, said application or which application claims priority from or relates to said invention or improvements 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.

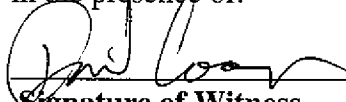
4. The terms, covenants and provisions of this ASSIGNMENT shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, his heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, I have executed this instrument.

Dated: June 30, 2009

  
[DAVID MCGRATH]

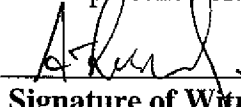
in the presence of:

  
Signature of Witness (1)

DAVID COOPER  
Print Witness's Name

5/94 CITY RD CHIPPENDALE  
Print Witness's Address

in the presence of:

  
Signature of Witness (2)

ANDREW REILLY  
Print Witness's Name

36 Acton St HURLSTONE PARK  
Print Witness's Address