# 505048541 08/13/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5095294

| SUBMISSION TYPE:  |  | NEW ASSIGNMENT  | NEW ASSIGNMENT   |  |  |  |  |
|---|--|---|------------------|--|--|--|--|
| NATURE OF CONVEYANCE:   |  | ASSIGNMENT  | ASSIGNMENT       |  |  |  |  |
|   | ΔΑΤΑ   |   |                  |  |  |  |  |
|   |  | Name  | Execution Date   |  |  |  |  |
| PANASONIC CORPOR  | RATION   |   | 01/24/2014       |  |  |  |  |
|   |  |   |                  |  |  |  |  |
| RECEIVING PARTY D   |  |   |                  |  |  |  |  |
| Name:   |  | DOLBY INTERNATIONAL AB  |                  |  |  |  |  |
| Street Address:   |  | BUILDING, 3E  |                  |  |  |  |  |
| Internal Address:   |  | HERIKERBERGWEG 1-35   |                  |  |  |  |  |
| City:   |  | RDAM ZUIDOOST   |                  |  |  |  |  |
| State/Country:  | NETHEF   |   |                  |  |  |  |  |
| Postal Code:  | 1101 CN  |   |                  |  |  |  |  |
|   | C Total: 1   |   |                  |  |  |  |  |
| PROPERTY NUMBERS Total: 1 Property Type   |  | Number  | 7                |  |  |  |  |
| Application Number:   |  | 4955686   | _                |  |  |  |  |
|   |  |   |                  |  |  |  |  |
|   |  |   |                  |  |  |  |  |
|   | DATA   |   |                  |  |  |  |  |
| CORRESPONDENCE  |  | 377)769-7945  |                  |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will</i>   | <sub>(8)</sub><br>be sent to t   | the e-mail address first; if that is u  |                  |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i>   | te sent to t<br>f provided;  | ,   |                  |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:   | te sent to t<br>f provided;<br>(6<br>ع   | t <b>he e-mail address first; if that is u</b><br><b>if that is unsuccessful, it will be se</b><br>617) 542-5070<br>psi@fr.com  |                  |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name   | 8)<br><b>be sent to t</b><br>f provided;<br>(6<br>a <br>: الا  | t <b>he e-mail address first; if that is un<br/>if that is unsuccessful, it will be se</b><br>617) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR   |                  |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:  | (8<br><b>be sent to t</b><br>f <b>provided;</b><br>(6<br>a <br>: الا<br>F  | the e-mail address first; if that is un<br>if that is unsuccessful, it will be se<br>617) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.   |                  |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:   | (8<br><b>be sent to t</b><br>f <b>provided;</b><br>(6<br>a <br>3<br>1<br>F<br>P  | the e-mail address first; if that is un<br>if that is unsuccessful, it will be se<br>517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>.O.BOX 1022  | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 4:  | (8<br><b>be sent to t</b><br>f <b>provided;</b><br>(6<br>a <br>2<br>1<br>P<br>N<br>N   | the e-mail address first; if that is un<br>if that is unsuccessful, it will be se<br>517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>.O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-   | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 4:  | (8<br>be sent to t<br>f provided;<br>(6<br>a<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | the e-mail address first; if that is un<br>if that is unsuccessful, it will be set<br>517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>.O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-<br>40305-0028RE1   | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 4:<br>ATTORNEY DOCKET N<br>IAME OF SUBMITTER  | (8<br>be sent to t<br>f provided;<br>(6<br>a<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | the e-mail address first; if that is unit if that is unsuccessful, it will be set (517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>.O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-<br>40305-0028RE1<br>KRISTINE M. MCGUIRK   | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br><i>Correspondence will<br/>using a fax number, i</i><br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>TTORNEY DOCKET N<br>AME OF SUBMITTER   | (8<br>be sent to t<br>f provided;<br>(6<br>a<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | the e-mail address first; if that is un<br>if that is unsuccessful, it will be set<br>517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>.O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-<br>40305-0028RE1<br>KRISTINE M. MCGUIRK<br>/Kristine M. McGuirk/                               | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br>Correspondence will<br>using a fax number, in<br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>ATTORNEY DOCKET N<br>NAME OF SUBMITTER<br>BIGNATURE:<br>DATE SIGNED:                        | (8<br>be sent to t<br>f provided;<br>(6<br>a<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | the e-mail address first; if that is unit if that is unsuccessful, it will be set (517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>.O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-<br>40305-0028RE1<br>KRISTINE M. MCGUIRK   | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br>Correspondence will<br>using a fax number, in<br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>TTORNEY DOCKET N<br>IAME OF SUBMITTER<br>GIGNATURE:<br>DATE SIGNED:<br>Total Attachments: 2 | (8<br>be sent to t<br>f provided;<br>(8<br>a<br>i<br>:<br>IN<br>P<br>N<br>N<br>N<br>NUMBER:  | the e-mail address first; if that is un<br>if that is unsuccessful, it will be set<br>517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-<br>40305-0028RE1<br>KRISTINE M. MCGUIRK<br>/Kristine M. McGuirk/<br>08/13/2018                  | ent via US Mail. |  |  |  |  |
| CORRESPONDENCE<br>Fax Number:<br>Correspondence will<br>using a fax number, in<br>Phone:<br>Email:<br>Correspondent Name<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>TTORNEY DOCKET N<br>AME OF SUBMITTER<br>IGNATURE:<br>ATE SIGNED:                            | (8<br>be sent to t<br>f provided;<br>(9<br>a<br>a<br>b<br>F<br>P<br>M<br>N<br>N<br>N<br>NUMBER:<br>:                                   | the e-mail address first; if that is un<br>if that is unsuccessful, it will be set<br>517) 542-5070<br>psi@fr.com<br>NDRANIL SARKAR<br>ISH & RICHARDSON P.C.<br>O.BOX 1022<br>IINNEAPOLIS, MINNESOTA 55440-<br>40305-0028RE1<br>40305-0028RE1<br>KRISTINE M. MCGUIRK<br>/Kristine M. McGuirk/<br>08/13/2018 | ent via US Mail. |  |  |  |  |

#### **SCHEDULE B(1)**

#### ASSIGNMENT

Panasonic Corporation, a Japanese corporation having a place of business at 1006 Oaza, Kadoma, Kadoma City, Osaka 571-8501, Japan ("Assignor"), hereby irrevocably assigns to Dolby International AB, a company having a place of business at Apollo Building, 3E Herikerbergweg 1-35, 1101 CN Amersterdam Zuidoost, The Netherlands ("Assignee"), the entire right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in the patents and patent applications identified on Schedule A, and in and to all Letters Patents of the United States of America, international and all foreign countries which may or shall be granted on said patent applications, or any parts thereof, or any divisional, continuing, reissue or other applications based in whole or in part thereon, and the right to recover for past infringement of the patents.

Assignor does hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America or equivalent authority elsewhere in the world to issue such Letters Patent as shall be granted upon said applications based thereon to said Assignee, its successors and assigns.

IN WITNESS WHEREOF, Assignor and Assignee have caused their duly authorized representatives to execute this Assignment.

#### ASSIGNOR

Panasonic Corporation By: Name: Kentaro Luiti Intellectual Property Center Authorized Signing Officer Title: Date: 24 Jan. 2014

#### ASSIGNEE

| Dolby I | ntemational AB        |
|---------|-----------------------|
| Ву:     | <u></u>               |
| Name:   | 1. 3 Arrid 7 Ary 5 E  |
| Title:  | March Colors Dineeror |
| Date:   | Gallinnitter 247.7    |
|         | Les J Mrs One         |
|         | ~~~ · ·               |

## SCHEDULE A

### ASSIGNED PATENTS

| Patent/Pub. No. | Title  | Assignee                 | Pub. Date | Application<br>No. | App. Date  | Priority<br>Date | Status   |
|-----------------|--|--------------------------|-----------|--------------------|------------|------------------|----------|
| US 8,401,080    | Motion vector<br>coding method<br>and motion vector<br>decoding method   | Panasonic<br>Corporation | 2013/3/19 | 11/979033          | 2007/10/30 | 2002/1/9         | Patented |
| US 8,396,116    | Moving picture<br>coding method<br>and moving<br>picture decoding<br>method  | Panasonic<br>Corporation | 2013/3/12 | 13/488242          | 2012/6/4   | 2004/1/30        | Patented |
| US 8,385,409    | Picture coding<br>method, picture<br>decoding method,<br>picture coding<br>apparatus, picture<br>decoding<br>apparatus, and<br>program thereof | Panasonic<br>Corporation | 2013/2/26 | 13/330890          | 2011/12/20 | 2004/8/18        | Patented |

RECORDED: 08/05/2018

PATEN REEL: 032652 FRAME: 0439