

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI604710

|                                        |                         |
|----------------------------------------|-------------------------|
| <b>SUBMISSION TYPE:</b>                | NEW ASSIGNMENT          |
| <b>NATURE OF CONVEYANCE:</b>           | ASSIGNMENT              |
| <b>CONVEYING PARTY DATA</b>            |                         |
| <b>Name</b>                            | <b>Execution Date</b>   |
| Panasonic Corporation of North America | 10/03/2024              |
| <b>RECEIVING PARTY DATA</b>            |                         |
| <b>Company Name:</b>                   | WBC Photonics, Inc.     |
| <b>Street Address:</b>                 | 30 Upton Drive, Suite 4 |
| <b>City:</b>                           | Wilmington              |
| <b>State/Country:</b>                  | MASSACHUSETTS           |
| <b>Postal Code:</b>                    | 01887                   |
| <b>PROPERTY NUMBERS Total: 134</b>     |                         |
| <b>Property Type</b>                   | <b>Number</b>           |
| Application Number:                    | 13218251                |
| Application Number:                    | 13218327                |
| Application Number:                    | 13042042                |
| Application Number:                    | 13042243                |
| Application Number:                    | 14053529                |
| Application Number:                    | 13286027                |
| Application Number:                    | 13332326                |
| Application Number:                    | 13686974                |
| Application Number:                    | 13841821                |
| Application Number:                    | 14746951                |
| Application Number:                    | 13766923                |
| Application Number:                    | 15071554                |
| Application Number:                    | 15802645                |
| Application Number:                    | 16562597                |
| Application Number:                    | 17519647                |
| Application Number:                    | 13923344                |
| Application Number:                    | 15800429                |
| Application Number:                    | 16281159                |
| Application Number:                    | 16869729                |
| Application Number:                    | 17323003                |

PATENT

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13927093 |
| Application Number: | 14093409 |
| Application Number: | 14632283 |
| Application Number: | 15060145 |
| Application Number: | 15647848 |
| Application Number: | 16201341 |
| Application Number: | 14639401 |
| Application Number: | 15864145 |
| Application Number: | 16658462 |
| Application Number: | 14640079 |
| Application Number: | 16680704 |
| Application Number: | 17481408 |
| Application Number: | 14666438 |
| Application Number: | 14667094 |
| Application Number: | 15789092 |
| Application Number: | 15992582 |
| Application Number: | 16840867 |
| Application Number: | 14676070 |
| Application Number: | 15636049 |
| Application Number: | 16381285 |
| Application Number: | 14247233 |
| Application Number: | 15442004 |
| Application Number: | 15973792 |
| Application Number: | 16561160 |
| Application Number: | 16989023 |
| Application Number: | 14270327 |
| Application Number: | 14735269 |
| Application Number: | 15485742 |
| Application Number: | 14734480 |
| Application Number: | 14733275 |
| Application Number: | 15658959 |
| Application Number: | 16275539 |
| Application Number: | 16815141 |
| Application Number: | 14747073 |
| Application Number: | 15207749 |
| Application Number: | 15636065 |
| Application Number: | 16292622 |
| Application Number: | 17141365 |

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14476544 |
| Application Number: | 16817884 |
| Application Number: | 14852939 |
| Application Number: | 15151881 |
| Application Number: | 16532689 |
| Application Number: | 17474269 |
| Application Number: | 14854494 |
| Application Number: | 15439396 |
| Application Number: | 14946868 |
| Application Number: | 15349425 |
| Application Number: | 15911288 |
| Application Number: | 17019756 |
| Application Number: | 14964700 |
| Application Number: | 15692046 |
| Application Number: | 15992593 |
| Application Number: | 16559834 |
| Application Number: | 16951385 |
| Application Number: | 14572769 |
| Application Number: | 15006693 |
| Application Number: | 16028994 |
| Application Number: | 15006733 |
| Application Number: | 15807824 |
| Application Number: | 16396926 |
| Application Number: | 16813893 |
| Application Number: | 15188076 |
| Application Number: | 16515124 |
| Application Number: | 17683542 |
| Application Number: | 18406331 |
| Application Number: | 15271773 |
| Application Number: | 15785557 |
| Application Number: | 15410277 |
| Application Number: | 16295016 |
| Application Number: | 16850159 |
| Application Number: | 15479745 |
| Application Number: | 16117253 |
| Application Number: | 16201333 |
| Application Number: | 17077080 |
| Application Number: | 18089741 |

| Property Type       | Number    |
|---------------------|-----------|
| Application Number: | 15627917  |
| Application Number: | 16654339  |
| Application Number: | 17377832  |
| Application Number: | 15649841  |
| Application Number: | 18239866  |
| Application Number: | 15660134  |
| Application Number: | 15949247  |
| Application Number: | 16237824  |
| Application Number: | 15686413  |
| Application Number: | 17173337  |
| Application Number: | 15261096  |
| Application Number: | 17525106  |
| Application Number: | 18383095  |
| Application Number: | 15807795  |
| Application Number: | 16245349  |
| Application Number: | 16816564  |
| Application Number: | 17140293  |
| Application Number: | 18084695  |
| Application Number: | 15879500  |
| Application Number: | 16522893  |
| Application Number: | 17578593  |
| Application Number: | 18200673  |
| PCT Number:         | US1127277 |
| PCT Number:         | US1127274 |
| PCT Number:         | US1326220 |
| PCT Number:         | US1517728 |
| PCT Number:         | US1564891 |
| PCT Number:         | US1638489 |
| PCT Number:         | US1714108 |
| PCT Number:         | US1726103 |
| PCT Number:         | US1738271 |
| PCT Number:         | US2055890 |
| PCT Number:         | US1742089 |
| PCT Number:         | US1743906 |
| PCT Number:         | US1748576 |
| PCT Number:         | US1760760 |
| PCT Number:         | US1815128 |
| Application Number: | 17082604  |

**CORRESPONDENCE DATA****Fax Number:** 8887428097

*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.*

**Phone:** 8572478333**Email:** patentadmin@danielsonlegal.com**Correspondent Name:** Mr. Robert S. Blasi Esq.**Address Line 1:** Danielson Legal LLC**Address Line 2:** 1 Mifflin Pl, Ste 400**Address Line 4:** Cambridge, MASSACHUSETTS 02138

|                                |                  |
|--------------------------------|------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | WBC Photonics    |
| <b>NAME OF SUBMITTER:</b>      | Mr. Robert Blasi |
| <b>SIGNATURE:</b>              | Mr. Robert Blasi |
| <b>DATE SIGNED:</b>            | 11/14/2024       |

**Total Attachments: 9**

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## **CONFIRMATORY ASSIGNMENT**

**WHEREAS, Panasonic Corporation of North America**, a corporation having a place of business at Two Riverfront Plaza, Newark, New Jersey 07102-5490 hereinafter generally referred to as "**ASSIGNOR**", is the owner of the inventions that are claimed and/or described in the patents and applications identified in the attached Schedule A (the "Assigned Patents").

**WHEREAS, WBC Photonics, Inc.**, a corporation having a place of business at 30 Upton Drive, Suite 4, Wilmington, MA 01887 hereinafter generally referred to as "**ASSIGNEE**," is desirous of memorializing and confirming, or if necessary acquiring, legal and equitable title in the Assigned Patents.

**WHEREAS**, ASSIGNOR is the sole and exclusive owner of the Assigned Patents.

**WHEREAS**, ASSIGNOR and ASSIGNEE have entered into that certain Patent Sale Agreement, dated as of June 28, 2024 (the "**Agreement**"), pursuant to which ASSIGNOR has agreed to assign or cause the assignment to ASSIGNEE of certain Assigned Patents (as defined in the Agreement); and

**WHEREAS**, ASSIGNEE is desirous of memorializing and confirming, or if necessary acquiring, legal and equitable title in the Assigned Patents.

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and intending to be legally bound hereby, ASSIGNOR has assigned and/or hereby sells, assigns, transfers and conveys unto ASSIGNEE, the whole and entire right, title and interest in and to:  
the Assigned Patents, along with the right to claim priority to the Assigned Patents under any treaty relating thereto; and

all rights to sue for and recover for, and the right to profits and damages due or accrued arising out of or in connection with any and all past, present or future infringements in the United States and all foreign countries, of the Assigned Patents for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives.

This Assignment has been duly executed and delivered and constitutes a valid, binding and enforceable assignment of the entire right, title, and interest in the Assigned Patents.

Oct 3, 2024

Date

*Kenji Shimonishi*

Panasonic Corporation of North America

**Kenji Shimonishi, Chief Financial Officer**

**NAME, TITLE**

11/14/2024

Date

*Michael Deutsch*

WBC Photonics, Inc.

**Michael Deutsch**

**NAME, TITLE**

**SCHEDULE A**

| <b>Jurisdiction</b> | <b>Application No.</b> | <b>Filing Date</b> | <b>Patent No.</b> |
|---------------------|------------------------|--------------------|-------------------|
| US                  | 13/218,251             | 8/25/2011          | 8488245           |
| US                  | 13/218,327             | 8/25/2011          | 8670180           |
| US                  | 13/042,042             | 3/7/2011           | 8553327           |
| WO                  | PCT/US11/27277         | 3/4/2011           |                   |
| CN                  | 201180022087.7         | 3/4/2011           | ZL2011800220877   |
| DE                  | 112011100813.9         | 3/4/2011           |                   |
| JP                  | 2012-556273            | 3/4/2011           | 5832455           |
| US                  | 13/042,243             | 3/7/2011           | 8,559,107         |
| US                  | 14/053,529             | 10/14/2013         | 8,824,049         |
| WO                  | PCT/US11/27274         | 3/4/2011           |                   |
| CN                  | 201180021997.3         | 3/4/2011           | ZL2011800219973   |
| JP                  | 2012-556271            | 3/4/2011           | 5981855           |
| US                  | 13/286,027             | 10/31/2011         | 8,724,222         |
| US                  | 13/332,326             | 12/20/2011         | 9,093,822         |
| US                  | 13/686,974             | 11/28/2012         | 9,104,029         |
| US                  | 13/841,821             | 3/5/2013           | 9,256,073         |
| US                  | 14/746,951             | 6/23/2015          | 9,268,142         |
| US                  | 13/766,923             | 2/14/2013          | 9,325,144         |
| US                  | 15/071,554             | 3/16/2016          | 9,843,154         |
| US                  | 15/802,645             | 11/3/2017          | 10,447,003        |

**Panasonic Corp. of N.A. to WBC Photonics, Inc.**

|    |                |            |                 |
|----|----------------|------------|-----------------|
| US | 16/562,597     | 9/6/2019   | 11,189,983      |
| US | 17/519,647     | 11/5/2021  |                 |
| WO | PCT/US13/26220 | 2/14/2013  |                 |
| CN | 2013800195111  | 2/14/2013  | ZL2013800195111 |
| DE | 112013000969.2 | 2/14/2013  |                 |
| JP | 2014-557784    | 2/14/2013  | 6368250         |
| US | 13/923,344     | 6/20/2013  | 9,865,985       |
| US | 15/800,429     | 11/1/2017  | 10,256,595      |
| US | 16/281,159     | 2/21/2019  | 10,686,288      |
| US | 16/869,729     | 5/8/2020   | 11,043,787      |
| US | 17/323,003     | 5/18/2021  | 11,658,454      |
| US | 13/927,093     | 6/25/2013  | 9,124,065       |
| US | 14/093,409     | 11/29/2013 | 9,335,551       |
| CN | 201410322805.8 | 5/28/2014  | 2014103228058   |
| DE | 102014008047.1 | 5/28/2014  | 102014008047    |
| US | 14/632,283     | 2/26/2015  | 9,310,560       |
| US | 15/060,145     | 3/3/2016   | 9,739,946       |
| US | 15/647,848     | 7/12/2017  | 10,254,484      |
| US | 16/201,341     | 11/27/2018 | 11,327,235      |
| WO | PCT/US15/17728 | 2/26/2015  |                 |
| CN | 2015800196096  | 2/26/2015  | ZL2015800196096 |
| DE | 112015000994.9 | 2/26/2015  | 112015000994    |
| JP | 2017-244888    | 2/26/2015  | 6636493         |
| US | 14/639,401     | 3/5/2015   | 9,889,524       |



**Panasonic Corp. of N.A. to WBC Photonics, Inc.**

|    |            |            |            |
|----|------------|------------|------------|
| US | 15/864,145 | 1/8/2018   | 10,486,265 |
| US | 16/658,462 | 10/21/2019 | 11,433,479 |
| US | 14/640,079 | 3/6/2015   | 10,514,549 |
| US | 16/680,704 | 11/12/2019 | 11,156,848 |
| US | 17/481,408 | 9/22/2021  | 11,933,990 |
| US | 14/666,438 | 3/24/2015  | 9,178,333  |
| US | 14/667,094 | 3/24/2015  | 9,823,480  |
| US | 15/789,092 | 10/20/2017 | 10,649,222 |
| US | 15/992,582 | 5/30/2018  | 10,606,089 |
| US | 16/840,867 | 4/6/2020   | 11,391,958 |
| US | 14/676,070 | 4/1/2015   | 9,719,776  |
| US | 15/636,049 | 6/28/2017  | 10,302,416 |
| US | 16/381,285 | 4/11/2019  | 10,655,948 |
| US | 14/247,233 | 4/7/2014   | 9,620,933  |
| US | 15/442,004 | 2/24/2017  | 9,989,772  |
| US | 15/973,792 | 5/8/2018   | 10,444,524 |
| US | 16/561,160 | 9/5/2019   | 10,775,636 |
| US | 16/989,023 | 8/10/2020  | 11,526,019 |
| US | 14/270,327 | 5/5/2014   | 9,268,097  |
| US | 14/735,269 | 6/10/2015  | 9,658,461  |
| US | 15/485,742 | 4/12/2017  | 10,067,351 |
| US | 14/734,480 | 6/9/2015   | 9,350,141  |
| US | 14/733,275 | 6/8/2015   | 9,746,679  |
| US | 15/658,959 | 7/25/2017  | 10,241,338 |

**Panasonic Corp. of N.A. to WBC Photonics, Inc.**

|    |            |            |            |
|----|------------|------------|------------|
| US | 16/275,539 | 2/14/2019  | 10,627,639 |
| US | 16/815,141 | 3/11/2020  | 11,353,715 |
| US | 14/747,073 | 6/23/2015  | 9,435,964  |
| US | 15/207,749 | 7/12/2016  | 9,726,834  |
| US | 15/636,065 | 6/28/2017  | 10,261,271 |
| US | 16/292,622 | 3/5/2019   | 10,914,902 |
| US | 17/141,365 | 1/5/2021   | 11,480,846 |
| US | 14/476,544 | 9/3/2014   | 10,627,618 |
| US | 16/817,884 | 3/13/2020  | 11,594,863 |
| US | 14/852,939 | 9/14/2015  | 9,366,887  |
| US | 15/151,881 | 5/11/2016  | 10,416,529 |
| US | 16/532,689 | 8/6/2019   | 11,143,932 |
| US | 17/474,269 | 9/14/2021  | 11,635,667 |
| US | 14/854,494 | 9/15/2015  | 9,614,344  |
| US | 15/439,396 | 2/22/2017  | 10,014,650 |
| US | 14/946,868 | 11/20/2015 | 9,525,269  |
| US | 15/349,425 | 11/11/2016 | 9,941,668  |
| US | 15/911,288 | 3/5/2018   | 10,804,679 |
| US | 17/019,756 | 9/14/2020  |            |
| US | 14/964,700 | 12/10/2015 | 9,778,448  |
| US | 15/692,046 | 8/31/2017  | 10,168,517 |
| US | 15/992,593 | 5/30/2018  | 10,444,482 |
| US | 16/559,834 | 9/4/2019   | 10,871,639 |
| US | 16/951,385 | 11/18/2020 | 11,604,340 |

**Panasonic Corp. of N.A. to WBC Photonics, Inc.**

|    |                |            |                 |
|----|----------------|------------|-----------------|
| WO | PCT/US15/64891 | 12/10/2015 |                 |
| CN | 2015800600111  | 12/10/2015 | 2015800600111   |
| DE | 112015005587.8 | 12/10/2015 | 112015005587    |
| JP | 2017-523959    | 12/10/2015 | 6585171         |
| US | 14/572,769     | 12/16/2014 | 9,190,807       |
| US | 15/006,693     | 1/26/2016  | 10,044,171      |
| US | 16/028,994     | 7/6/2018   | 11,196,234      |
| US | 15/006,733     | 1/26/2016  | 9,843,164       |
| US | 15/807,824     | 11/9/2017  | 10,320,145      |
| US | 16/396,926     | 4/29/2019  | 10,622,784      |
| US | 16/813,893     | 3/10/2020  | 11,239,630      |
| US | 15/188,076     | 6/21/2016  | 10,401,633      |
| US | 16/515,124     | 7/18/2019  | 11,294,191      |
| US | 17/683,542     | 3/1/2022   | 11,906,752      |
| US | 18/406,331     | 1/8/2024   |                 |
| WO | PCT/US16/38489 | 6/21/2016  |                 |
| CN | 2016800362438  | 6/21/2016  | ZL2016800362438 |
| DE | 112016002870.9 | 6/21/2016  |                 |
| JP | 2017-566345    | 6/21/2016  | 6667555         |
| US | 15/271,773     | 9/21/2016  | 9,825,428       |
| US | 15/785,557     | 10/17/2017 | 10,630,049      |
| US | 15/410,277     | 1/19/2017  | 10,268,043      |
| US | 16/295,016     | 3/7/2019   | 10,656,429      |
| US | 16/850,159     | 4/16/2020  | 11,500,139      |

**Panasonic Corp. of N.A. to WBC Photonics, Inc.**

|    |                |            |                 |
|----|----------------|------------|-----------------|
| WO | PCT/US17/14108 | 1/19/2017  |                 |
| CN | 2017800056526  | 1/19/2017  | ZL2017800056526 |
| DE | 112017000432.2 | 1/19/2017  | 112017000432B4  |
| JP | 2018-536739    | 1/19/2017  | 6547072         |
| US | 15/479,745     | 4/5/2017   | 10,088,632      |
| US | 16/117,253     | 8/30/2018  | 10,845,545      |
| US | 16/201,333     | 11/27/2018 | 10,768,373      |
| US | 17/077,080     | 10/22/2020 | 11,567,265      |
| US | 18/089,741     | 12/28/2022 |                 |
| WO | PCT/US17/26103 | 4/5/2017   |                 |
| CN | 2017800167162  | 4/5/2017   | ZL2017800167162 |
| DE | 112017001892.7 | 4/5/2017   |                 |
| JP | 2018-550824    | 4/5/2017   | 6796142         |
| JP | 2020-189390    | 4/5/2017   | 7066807         |
| US | 15/627,917     | 6/20/2017  | 10,490,972      |
| US | 16/654,339     | 10/16/2019 | 11,095,091      |
| US | 17/377,832     | 7/16/2021  |                 |
| WO | PCT/US17/38271 | 6/20/2017  |                 |
| CN | 2017800346444  | 6/20/2017  | ZL2017800346444 |
| JP | 2018-566309    | 6/20/2017  | 6726769         |
| WO | PCT/US20/55890 | 10/16/2020 |                 |
| CN | 2020800701043  | 10/16/2020 |                 |
| DE | 112020003732.0 | 10/16/2020 |                 |
| JP | 2022-522626    | 10/16/2020 | 7382498         |

**Panasonic Corp. of N.A. to WBC Photonics, Inc.**

|    |                |            |            |
|----|----------------|------------|------------|
| US | 15/649,841     | 7/14/2017  | 11,780,029 |
| US | 18/239,866     | 8/30/2023  |            |
| WO | PCT/US17/42089 | 7/14/2017  |            |
| CN | 2017800436277  | 7/14/2017  |            |
| DE | 112017003592.9 | 7/14/2017  |            |
| JP | 2019-501655    | 7/14/2017  | 6783374    |
| JP | 2020-176654    | 7/14/2017  | 7098696    |
| US | 15/660,134     | 7/26/2017  | 9,972,975  |
| US | 15/949,247     | 5/11/2018  | 10,211,601 |
| US | 16/237,824     | 1/2/2019   | 10,541,515 |
| WO | PCT/US17/43906 | 7/26/2017  |            |
| DE | 112017003931.2 | 7/26/2017  |            |
| JP | 2019-505350    | 7/26/2017  | 6964654    |
| US | 15/686,413     | 8/25/2017  | 10,951,006 |
| US | 17/173,337     | 2/11/2021  | 11,641,092 |
| WO | PCT/US17/48576 | 8/25/2017  |            |
| US | 15/261,096     | 9/9/2016   | 11,204,506 |
| US | 17/525,106     | 11/12/2021 | 11,852,838 |
| US | 18/383,095     | 10/24/2023 |            |
| US | 15/807,795     | 11/9/2017  | 10,224,691 |
| US | 16/245,349     | 1/11/2019  | 10,630,047 |
| US | 16/816,564     | 3/12/2020  | 10,916,911 |
| US | 17/140,293     | 1/4/2021   | 11,563,301 |
| US | 18/084,695     | 12/20/2022 | 11,855,408 |

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|----|-----------------|------------|------------------|
| WO | PCT/US17/060760 | 11/9/2017  |                  |
| CN | 2017800728716   | 11/9/2017  |                  |
| DE | 112017005370.6  | 11/9/2017  |                  |
| JP | 2019-529201     | 11/9/2017  | 7042823          |
| US | 15/879,500      | 1/25/2018  | 10,401,562       |
| US | 16/522,893      | 7/26/2019  | 10,852,471       |
| US | 17/082,604      | 10/28/2020 | 11,262,497       |
| US | 17/578,593      | 1/19/2022  | 11,698,482       |
| US | 18/200,673      | 5/23/2023  |                  |
| WO | PCT/US18/15128  | 1/25/2018  |                  |
| CN | 201880008677.6  | 1/25/2018  | ZL201880008677.6 |
| DE | 112018000545.3  | 1/25/2018  |                  |
| JP | 2019-540421     | 1/25/2018  | 7123061          |