

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7850666

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|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| SOKO KAGAKU CO., LTD. | 03/03/2023 |

RECEIVING PARTY DATA

| | |
|------------------------|---------------------------------|
| Name: | NIKKISO CO., LTD. |
| Street Address: | 20-3, EBISU 4-CHOME, SHIBUYA-KU |
| City: | TOKYO |
| State/Country: | JAPAN |
| Postal Code: | 1506022 |

PROPERTY NUMBERS Total: 29

| Property Type | Number |
|----------------|----------|
| Patent Number: | 9412586 |
| Patent Number: | 8659031 |
| Patent Number: | 9029174 |
| Patent Number: | 8822976 |
| Patent Number: | 9112115 |
| Patent Number: | 9356192 |
| Patent Number: | 9502606 |
| Patent Number: | 9281439 |
| Patent Number: | 9450157 |
| Patent Number: | 9556535 |
| Patent Number: | 9972758 |
| Patent Number: | 9812611 |
| Patent Number: | 10396244 |
| Patent Number: | 10297715 |
| Patent Number: | 10388834 |
| Patent Number: | 10412829 |
| Patent Number: | 10361346 |
| Patent Number: | 10505087 |
| Patent Number: | 11049999 |
| Patent Number: | 10643849 |

PATENT

| Property Type | Number |
|---------------------|----------|
| Patent Number: | 11165002 |
| Patent Number: | 11107961 |
| Patent Number: | 11152543 |
| Patent Number: | 11217726 |
| Application Number: | 17926240 |
| Application Number: | 17926269 |
| Application Number: | 18010393 |
| Application Number: | 18013408 |
| Application Number: | 18022147 |

CORRESPONDENCE DATA

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| | |
|--------------------------------|------------------|
| ATTORNEY DOCKET NUMBER: | MASA 0002 |
| NAME OF SUBMITTER: | MATTHEW TUPPER |
| SIGNATURE: | /matthew tupper/ |
| DATE SIGNED: | 03/16/2023 |

Total Attachments: 5

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CONFIRMATION OF ASSIGNMENT OF PATENT RIGHTS

WHEREAS, the undersigned

Soko Kagaku Co., Ltd., ("Assignor") a Japanese Corporation having a business address at 20-3, Ebisu 4-Chome, Shibuya-ku, Tokyo 1506022 Japan

has assigned various patent properties and attendant rights to

NIKKISO CO., LTD. ("Assignee"), a Japanese Corporation having a business address at 20-3, Ebisu 4-Chome, Shibuya-ku, Tokyo 1506022, Japan.

"*Listed Patents*" means the provisional patent applications, patent applications, and patents listed on Exhibit A.

"*Patents*" means, all (a) Listed Patents; (b) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority, (iii) that were co-owned applications that incorporate by reference the Listed Patents (excluding for this purpose mere prior art references that are not incorporated by reference) and/or (iv) which are subject to a terminal disclaimer with any of the Listed Patents; (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) and (b); (d) foreign patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models; and (e) any items in any of the foregoing categories (b) through (d) whether or not expressly listed as Listed Patents and whether or not claims in any of the foregoing have rejected, withdrawn, cancelled, or the like.

NOW, THEREFORE, in consideration of good and valuable consideration receipt of which is hereby acknowledged by Assignor, Assignor confirms that effective on 31 January 2023, Assignor confirms the following:

1. Assignor has sold, assigned, transferred and conveyed unto said Assignee the Assignor's entire right, title and interest (a) in and to the Assigned Patents and Patent Applications as set forth in the *Patents* and to the inventions described in these patents and applications; (b) in and to all rights to apply for foreign patents on based upon said patents and patent applications pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said inventions in the United States or any foreign country (including rights to all past and future damages arising from infringement of these patents), including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extension of any of said patents (collectively the "patent properties").

2. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, Assignor's legal representatives and assigns.

3. Assignor hereby warrants and represents that Assignor has not entered any assignment, contract, or understanding in conflict herewith.

CONFIRMATION OF ASSIGNMENT OF PATENT RIGHTS

IN WITNESS WHEREOF, Assignee and Assignor have executed this instrument as of the dates written below.

Soko Kagaku Co., Ltd.

NIKKISO CO., LTD.

Signed: 渡辺 泰介

Signed: [Signature]

Name: Kyosuke WATANABE

Name: Toshihiko KAI

Title: President & Chief Executive Officer

Title: President & Chief Executive Officer

Date: 3 Mar, 2023

Date: 3 Mar, 2023

CONFIRMATION OF ASSIGNMENT OF PATENT RIGHTS
Exhibit A – List of Patents

| Application No | Country | File Date | Publication No | Pub Date | Patent No | Grant Date | Title |
|----------------|---------|-------------|--------------------|-------------|------------|-------------|--|
| 13/517,970 | US | 20-Jun-2012 | US-2012-0258286-A1 | 11-Oct-2012 | 9,412,586 | 09-Aug-2016 | Method For Producing A Template For Epitaxial Growth Having A Sapphire (0001) Substrate, An Initial-Stage AlN Layer And Laterally Overgrown AlxGayN (0001) Layer |
| 13/700,667 | US | 28-Nov-2012 | US-2013-0069079-A1 | 21-Mar-2013 | 8,659,031 | 25-Feb-2014 | Method Of Producing Template for Epitaxial Growth and Nitride Semiconductor Device |
| 14/001,454* | US | 23-Aug-2013 | US-2013-0330913-A1 | 12-Dec-2013 | 9,029,174 | 12-May-2015 | Method for Manufacturing Semiconductor Device |
| 14/001,342 | US | 23-Aug-2013 | US-2013-0328013-A1 | 12-Dec-2013 | 8,822,976 | 02-Sep-2014 | Nitride Semiconductor Ultraviolet Light-emitting Element |
| 14/009,964 | US | 04-Oct-2013 | US-2014-0021442-A1 | 23-Jan-2014 | 9,112,115 | 18-Aug-2015 | Nitride Semiconductor Ultraviolet Light-emitting Element |
| 14/237,731 | US | 07-Feb-2014 | US-2014-0158983-A1 | 12-Jun-2014 | 9,356,192 | 31-May-2016 | Nitride Semiconductor Ultraviolet Light-emitting Element |
| 15/140,300 | US | 27-Apr-2016 | US-2016-0240727-A1 | 18-Aug-2016 | 9,502,606 | 22-Nov-2016 | Nitride Semiconductor Ultraviolet Light-Emitting Element |
| 14/344,602 | US | 12-Sep-2014 | US-2015-0048304-A1 | 19-Feb-2015 | 9,281,439 | 08-Mar-2016 | Nitride Semiconductor Element and Method for Producing Same |
| 14/416,198* | US | 21-Jan-2015 | US-2015-0243856-A1 | 27-Aug-2015 | 9,450,157 | 20-Sep-2016 | Ultraviolet Light Emitting Device Using Metal Non-Bondable Amorphous Fluororesin Molding Compound |
| 14/765,884 | US | 05-Aug-2015 | US-2016-0265138-A1 | 15-Sep-2016 | 9,556,535 | 31-Jan-2017 | Template for Epitaxial Growth, Method for Producing the Same, and Nitride Semiconductor Device |
| 14/916,992 | US | 04-Mar-2016 | US-2016-0218259-A1 | 28-Jul-2016 | 9,972,758 | 15-May-2018 | Ultraviolet Light Emitting Device |
| 15/027,106 | US | 04-Apr-2016 | US-2017-0263817-A1 | 14-Sep-2017 | 9,812,611 | 07-Nov-2017 | Nitride Semiconductor Ultraviolet Light-Emitting Element and Nitride Semiconductor Ultraviolet Light-Emitting Device |
| 15/113,014 | US | 20-Jul-2016 | US-2017-0077351-A1 | 16-Mar-2017 | 10,396,244 | 27-Aug-2019 | Nitride Semiconductor Light Emitting Element |
| 15/573,824 | US | 13-Nov-2017 | US-2018-0261725-A1 | 13-Sep-2018 | 10,297,715 | 21-May-2019 | Nitride Semiconductor Ultraviolet Light-Emitting Element |

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Exhibit A – List of Patents

| Application No | Country | File Date | Publication No | Pub Date | Patent No | Grant Date | Title |
|----------------|---------|-------------|--------------------|-------------|------------|-------------|--|
| 15/736,253* | US | 13-Dec-2017 | US-2018-0190877-A1 | 05-Jul-2018 | 10,388,834 | 20-Aug-2019 | Nitride Semiconductor Wafer, Manufacturing Method Thereof, Nitride Semiconductor Ultraviolet Light-Emitting Element, and Nitride Semiconductor Ultraviolet Light-Emitting Device |
| 15/742,190* | US | 05-Jan-2018 | US-2018-0199433-A1 | 12-Jul-2018 | 10,412,829 | 10-Sep-2019 | Nitride Semiconductor Light-Emitting Element Base and Manufacturing Method Thereof |
| 15/757,203* | US | 02-Mar-2018 | US 2018-0277723 A1 | 27-Sep-2018 | 10,361,346 | 23-Jul-2019 | Nitride Semiconductor Ultraviolet Light Emitting Device and Method for Manufacturing Same |
| 15/772,612 | US | 01-May-2018 | US-2019-0123249-A1 | 25-Apr-2019 | 10,505,087 | 10-Dec-2019 | Method for Manufacturing Nitride Semiconductor Ultraviolet Light-Emitting Element and Nitride Semiconductor Ultraviolet Light-Emitting Element |
| 16/066,414 | US | 27-Jun-2018 | US-2020-0373463-A1 | 26-Nov-2020 | 11,049,999 | 29-Jun-2021 | Template, Nitride Semiconductor Ultraviolet Light-Emitting Element, and Method of Manufacturing Template |
| 16/330,320 | US | 04-Mar-2019 | US-2019-0228972-A1 | 25-Jul-2019 | 10,643,849 | 05-May-2020 | Manufacturing Method of Nitride Semiconductor Ultraviolet Light Emitting Element, And Nitride Semiconductor Ultraviolet Light Emitting Element |
| 16/630,743* | US | 13-Jan-2020 | US-2020-0168775-A1 | 28-May-2020 | 11,165,002 | 02-Nov-2021 | Light-Emitting Device |
| 16/753,714* | US | 03-Apr-2020 | US-2020-0274040-A1 | 27-Aug-2020 | 11,107,961 | 31-Aug-2021 | Ultraviolet Light-Emitting Device, Method for Manufacturing Ultraviolet Light-Emitting Device and Method for Manufacturing Ultraviolet Light-Emitting Module |
| 16/761,090 | US | 01-May-2020 | US-2020-0357953-A1 | 12-Nov-2020 | 11,152,543 | 19-Oct-2021 | Nitride Semiconductor Light-Emitting Element |
| 16/969,161 | US | 11-Aug-2020 | US-2021-0043804-A1 | 11-Feb-2021 | 11,217,726 | 04-Jan-2022 | Nitride Semiconductor Ultraviolet Light-Emitting Element |

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|----------------|---------|-------------|----------------|----------|-----------|------------|---|
| 17/926,240 | US | 18-Nov-2022 | | | | | Nitride Semiconductor Ultraviolet Light-Emitting Element And Production Method Thereof |
| 17/926,269 | US | 18-Nov-2022 | | | | | Nitride Semiconductor Ultraviolet Light-Emitting Element |
| 18/010,393 | US | 14-Dec-2022 | | | | | Nitride Semiconductor Ultraviolet Light-Emitting Element and Manufacturing Method Thereof |
| 18/013,408 | US | 28-Dec-2022 | | | | | Nitride Semiconductor Ultraviolet Light-Emitting Element |
| 18/022,147 | US | 18-Feb-2023 | | | | | Nitride Semiconductor Ultraviolet Light-Emitting Element |