

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MIKA AMIYA	03/07/2019
KAZUSHIGE FUJIO	03/07/2019
SADAKAZU WAKUI	03/07/2019
RECEIVING PARTY DATA	
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City:	ANAN-SHI, TOKUSHIMA
State/Country:	JAPAN
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16352473
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DATE SIGNED:	03/13/2019
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, We,

Mika AMIYA
c/o **NICHIA CORPORATION**
491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima 774-8601 JAPAN

Kazushige FUJIO
c/o **NICHIA CORPORATION**
491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima 774-8601 JAPAN

Sadakazu WAKUI
c/o **NICHIA CORPORATION**
491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima 774-8601 JAPAN

have made one or more new and useful inventions and/or discoveries as described and/or claimed in a United States non-provisional patent application entitled

LIGHT EMITTING DEVICE AND PLANT CULTIVATION METHOD

filed as application number _____ on _____ (hereinafter referred to as "the Application");¹

WHEREAS, **NICHIA CORPORATION**, a company organized under the laws of **JAPAN**, with a place of business at **491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima 774-8601 JAPAN** (hereinafter referred to as "the Assignee"), is desirous of acquiring the title, rights, interests, benefits and privileges herein recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to me/us, the receipt and sufficiency of which is hereby acknowledged, I/we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to the Application, any and all inventions and discoveries therein described and/or claimed, and any and all Letters Patent that may be issued upon the Application, or for the inventions or discoveries therein contained, or upon any application based upon or claiming priority to the Application, in any and all countries, including all non-provisional, divisional, continuation, renewal, substitute, reissue, reexamination, international (including under the Patent Cooperation Treaty) and Convention applications, and any and all reissues and extensions of Letters Patent

¹ In the event the Application is not identified in the spaces above by application number and filing date, I hereby authorize and request Andrews Kurth Kenyon LLP to insert the application number and filing date of the Application in the spaces above when known.

granted based upon the Application, for said inventions and discoveries, or upon any application based upon or claiming priority to the Application, and every priority right that is or may be predicated upon or arise from the Application, said inventions and discoveries, or any application based upon or claiming priority to the Application.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in my/our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable.

3. Authorize and request the Commissioner for Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I/we have not knowingly conveyed to others any right, title or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that I/we have good right to assign the same to Assignee without encumbrance; and that I/we are aware of no claim to the contrary.

5. Bind my/our heirs, legal representatives, and assigns, as well as myself/ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me/us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us, my/our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me/us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my/our control or in the control of my/our heirs, legal representatives, or assigns which may be useful for establishing the facts of my/our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify, upon Assignee's request, to the same in any interference, arbitration, litigation or other proceeding pertaining to the said inventions and discoveries, the said patent applications, and/or the said Letters Patent.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7th
day of March, 2019

Mika Amiya
Mika AMIYA

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7th
day of March, 2019

Kazushige Fujio
Kazushige FUJIO

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 7th
day of March, 2019

Sadakazu Wakui
Sadakazu WAKUI