## 507381239 07/12/2022 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSI	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNME	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ					
		Name	Name			
FUMIOMI TAKEDA					07/09/2022	
RECEIVING PARTY D	ΑΤΑ					
Name:	The Uni	The United States of America, as represented by the Secretary of Agricultur				
Street Address:	1400 Inc	1400 Independence Ave., S.W.				
City:	Washing	Washington				
State/Country:	DISTRIC	DISTRICT OF COLUMBIA				
Postal Code:	20250					
Property Type Application Number:		17825720	umber			
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### <u>ASSIGNMENT</u>

#### WHEREAS, I (we), FUMIOMI TAKEDA

#### residing at SCOTSDALE, AZ; respectively

#### having invented an improvement <u>SYSTEM AND METHOD TO IMPROVE THE PENETRATION</u> OF ULTRAVIOLET LIGHT INTO PLANT BEDS

for which I (we) have made application for Letters Patent of the United States, identified as Department of Agriculture Case No 0081.21; (; S.N. 17/825,720 filed on 05/26/2022).

WHEREAS, the WORLDWIDE patent rights in my (our) share of said invention are assignable to the United States by virtue of my (our) having made the invention while in the employ of the United States Department of Agriculture and/or under applicable law and regulations of the United States Department of Agriculture which render the patent rights so assignable as well as such rights in any divisions, continuations in whole or part, or substitute applications; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of acquiring an assignment of said patent rights;

NOW, THEREFORE, in consideration of these premises, I (we) hereby assign said WORLDWIDE patent rights to the United States of America, as represented by the Secretary of Agriculture;

I (we) agree to make, execute, and deliver to the Secretary of Agriculture all documents in such usual or other forms, terms, or contents as may be required by the Secretary for the prosecution of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any derivation proceeding, post-grant review, or other action or proceeding, these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America; and

I (we) warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

# /Fumiomi Takeda/

FUMIOMI TAKEDA

9 July 2022

DATE

**RECORDED: 07/12/2022**