508861972 11/11/2024

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Joseph M. Bosilevac	09/26/2024

RECEIVING PARTY DATA

Company Name:	The United States, as represented by the Secretary of Agriculture
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City:	WASHINGTON
State/Country:	DISTRICT OF COLUMBIA
Postal Code:	20250

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18054778

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NAME OF SUBMITTER:	Christen Granville
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DATE SIGNED:	11/11/2024

Total Attachments: 1

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PATENT REEL: 069198 FRAME: 0039

508861972

<u>ASSIGNMENT</u>

WHEREAS, I (we), JOSEPH M. BOSILEVAC

residing at **HASTINGS**, **NE**.

RECORDED: 11/11/2024

having invented an improvement METHODS AND COMPOSITIONS FOR DETERMINING MICROORGANISM PRESENCE AND CONCENTRATION USING PCR PRIMERS OF VARYING AMPLIFICATION EFFICIENCIES

for which I (we) have made application for Letters Patent of the United States, identified as Department of Agriculture Case No <u>0045.21</u>; (; S.N. <u>18/054,778</u> filed on <u>11/11/2022</u>).

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.

/Joseph M Bosilevac/	26 Sep 2024
JOSEPH M. BOSILEVAC	DATE

PATENT REEL: 069198 FRAME: 0040