507370477 07/06/2022

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAMUEL K. ABBAN	08/12/2020
IRVING SMITH	08/13/2020
FRANCISC0 POSADA-FLOREZ	08/12/2020

RECEIVING PARTY DATA

Name:	The United States of America, as represented by the Secretary of Agriculture
Street Address:	1400 Independence Ave., S.W.
City:	Washington
State/Country:	DISTRICT OF COLUMBIA
Postal Code:	20250

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16999161

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ATTORNEY DOCKET NUMBER:	0049.20
NAME OF SUBMITTER:	ROBERT JONES
SIGNATURE:	/Robert Jones/
DATE SIGNED:	07/06/2022

Total Attachments: 2

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PATENT REEL: 060409 FRAME: 0231 507370477

<u>ASSIGNMENT</u>

WHEREAS, I (we), SAMUEL K. ABBAN, IRVING SMITH, and FRANCISCO POSADA-FLOREZ

residing at LAUREL, MD, GLENLEG, MD, AND LAUREL, MD; respectively

having invented an improvement <u>SYSTEM AND METHOD FOR REMOVING VARROA MITES</u> <u>FROM BEES</u>

for which I (we) have made application for Letters Patent of the United States, identified as Department of Agriculture Case No <u>0049.20</u>.(; S.N. 16/999,161 filed on 08/21/2020).

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.

/Samuel K. Abban/	08/12/2020
SAMUEL K. ABBAN	DATE
/Irving Smith/	08/13/2020
IRVING SMITH	DATE

PATENT REEL: 060409 FRAME: 0232 DN. 0049.20

RECORDED: 07/06/2022

/Francisco Posada-Florez/ 08/12/2020
FRANCISCO POSADA-FLOREZ DATE

PATENT REEL: 060409 FRAME: 0233