507020973 12/10/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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YURI FURUSAWA	11/25/2021

RECEIVING PARTY DATA

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State/Country:	WISCONSIN
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PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	16749910
Application Number:	62795821
PCT Number:	US2020014659

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ATTORNEY DOCKET NUMBER:	P190174US02 US01 WO01
NAME OF SUBMITTER:	MEREDITH NORIEGA
SIGNATURE:	/MEREDITH NORIEGA/
DATE SIGNED:	12/10/2021

Total Attachments: 4

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PATENT 507020973 REEL: 058359 FRAME: 0661

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ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional, utility, or design United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
MUTATIONS THAT CON	IFER GENETIC STABILITY	TO ADDITIONAL GENES	
PRV	UNITED STATES	62/795821	January 23, 2019
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MUTATIONS THAT CON	FER GENETIC STABILITY	TO ADDITIONAL GENES	IN INFLUENZA VIRUSES
PAT	UNITED STATES	16/749910	January 22, 2020
MUTATIONS THAT CON	FER GENETIC STABILITY	TO ADDITIONAL GENES	IN INFLUENZA VIRUSES
PCT .	W.I.P.O. (IS PCT)	PCT/US2020/014659	January 22, 2020
	11/12/21/21/22/21		, , , , , , , , , , , , , , , , , , , ,

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional, utility, and design applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P190174US01 Wisconsin Alumni Research Foundation

App.#: 62/795821, Filed: January 23, 2019

Inventor:

Yoshihiro Kawaoka
8722 Airport Rd.
Middleton, Wisconsin 53562 United States

Witness #1:

Date: 10 20 2021

Date: 10 20 2021

ASSIGNMENT

Witness #2:

Ref: P190174US01

Wisconsin Alumni Research Foundation

PATENT REEL: 058359 FRAME: 0664

Date: 10 20 2021

ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional, utility, or design United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
MUTATIONS THAT	CONFER GENETIC STABILITY	TO ADDITIONAL	GENES IN INFLUENZA VIRUSES
PRV	UNITED STATES	62/795821	January 23, 2019
MUTATIONSTHAT	CONFER GENETIC STABILITY	TO ADDITIONAL	GENES IN INFLUENZA VIRUSES
PAT	UNITED STATES	16/749910	January 22, 2020
MUTATIONSTHAT			GENES IN INFLUENZA VIRUSES
PCT	W.L.P.O. (IS PCT)	PCT/US2020/0146	59 January 22, 2020

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional, utility, and design applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P190174US01

Wisconsin Allumni Research Foundation

ASSIGNMENT Wisconsin Alumni Research Foundation Ref: P190174US01 App.#: 62/795821, Filed: January 23, 2019 Inventor: Yuri Furusawa Yuri Furusawa 3-14-12-301 Shirokane Minato-ku Tokyo 108-0072 Japan

Date: 11/25 / 2021

Date: 11/25/2024

Kiyoko lwatsuki-Horimoto

Print Name

RECORDED: 12/10/2021

Hroshi Veki Date: 1/25/2021 Signature

Hiroshi Ueki

Print Name