PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5194719

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YASUKO RIKIHISA	06/02/2004
NORIO OHASHI	05/17/2004

RECEIVING PARTY DATA

Name:	THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION	
Street Address:	1960 KENNY ROAD	
City:	COLUMBUS	
State/Country:	ОНЮ	
Postal Code:	43210-1063	

PROPERTY NUMBERS Total: 4

Property Type	Number
Patent Number:	6893640
Patent Number:	6923963
Patent Number:	7063846
Patent Number:	7709622

CORRESPONDENCE DATA

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Total Attackments O	
DATE SIGNED:	10/18/2018
SIGNATURE:	/Karen R. Montgomery/
NAME OF SUBMITTER:	KAREN R. MONTGOMERY
ATTORNEY DOCKET NUMBER:	10336-542OPN_049US2_3_5_6

Total Attachments: 2

PATENT REEL: 047215 FRAME: 0239

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PATENT REEL: 047215 FRAME: 0240

ASSIGNMENT

For One Dollar (\$1.00) and other good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, we, the undersigned, Yasuko Rikihisa, 1120 Woodman Drive, Worthington, Ohio 43085, and Norio Ohashi, 6-13-27-206 Kuniyoshida, Shizuoka, Shizuoka 422-8004, Japan, hereby assign all right, title and interest to The Ohio State University Research Foundation, 1960 Kenny Road, Columbus, Ohio 43210-1063 its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

OUTER MEMBRANE PROTEIN OF EHRLICHIA CANIS AND EHRLCHIA CHAFFEENSIS

set forth in the application serial number 09/314,701, filed on May 19, 1999, for United States Letters Patent, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patents and reissues and extension. of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and the testify in any proceedings relating to said inventions, patent applications and Letters Patent.

> PATENT REEL: 023034 FRAWE: 0241

(1) Date: <u>Tune</u> 2, 2004	Marko Vikihisa Yasuko Rikihisa
State of Ohio)	S:
County of Frank (in)	
to me known to be the person na	, 2004, personally appeared before me, Yasuko Rikihisa, med in and who executed the above instrument, and the same for the uses and the purposes therein mentioned.
Date: 6-2-04	Notary Publice
(2) Dato: <u>May 17, 2004</u> Shiguoka Refecture State of 6-13-27-206	Norio Ohashi LISAL WILKOSZ LISAL WILKOSZ
Kuniyoshida, Shijuoka 422-8004 S County of Japan	Notary Public, State of Ohlo My Commission Expires 09-11-08
On this 17 day of May me known to be the person named in a	2004, personally appeared before me, Norio Ohashi, to and who executed the above instrument, and acknowledged a uses and the purposes therein mentioned.
Date: May 17, 2004	Jashiyaki Mesuguro- Novary Public