

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Washington State University Research Foundation | 07/01/2013 |
| RECEIVING PARTY DATA | |
| Name: | Washington State University |
| Street Address: | NE Eastgate Blvd. |
| Internal Address: | P.O. Box 641802 |
| City: | Pullman |
| State/Country: | WASHINGTON |
| Postal Code: | 99164 |
| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Patent Number: | 6759048 |
| Patent Number: | 6323020 |
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| ATTORNEY DOCKET NUMBER: | 03170051ZA-38 |
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| Total Attachments: 2 source=03170051ZA_38-Assign#page1.tif source=03170051ZA_38-Assign#page2.tif | |

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ASSIGNMENT OF PATENTS

WHEREAS, Washington State University Research Foundation of Pullman, Washington, hereinafter referred to as Assignor, is the owner of record of the following intellectual property as shown in Appendix A

AND WHEREAS, Washington State University, having a place of business at P.O. Box 641802, Pullman Washington, and referred to as Assignee, is desirous of acquiring right, title, and interest in said intellectual property as shown in Appendix A.

NOW THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, effective July 1, 2013, Assignor hereby assigns, sells and transfers unto the said Assignee, its successors and assigns, its entire right, title and interest in and to inventions disclosed in the patent applications and in the Letters Patent of the United States and in and to any Letters Patent or Inventor's Certificates of any and all foreign countries which have or may be granted therefore, and in and to any and all priority and/or Convention rights or benefits accruing or to accrue to us with respect to the filing or securing of patents in the United States and/or securing of patents or inventor's certificates in any and all countries foreign thereto, including rights to recover from past infringement, and in and to all trademarks.

WITNESSETH, my hand this 1 day of July, 2013

Washington State University Research Foundation. (Assignor)



(signature)

Anson Fatland
Executive Director

Appendix A

| Tech ID | Patent No. | Serial No. | Country | Tech Mngtr Name | Title | File Date | Status | Issue Date | Expire Date | App Type | Notes |
|---------|------------|-------------------|---------------|-----------------|--|------------|-----------|------------|-------------|------------------|-------|
| 421-OC | 6759048 | 09/949186 | United States | Pappu | Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 09/06/2001 | Issued | 07/06/2004 | | Divisional | |
| 421-OC | | 97940602.2 | Europe | Pappu | Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 08/22/1997 | Abandoned | | 12/18/2009 | EPO | |
| 421-OC | 740141 | 4234597 | Australia | Pappu | Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 08/22/1997 | Abandoned | 11/01/2001 | 08/22/2009 | Nationalized PCT | |
| 421-OC | | 2263141 | Canada | Pappu | Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 08/22/1997 | Abandoned | | 12/31/2009 | Nationalized PCT | |
| 421-OC | 6323020 | 08/916246 | United States | Pappu | Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 08/22/1997 | Issued | 11/27/2001 | 08/22/2017 | Parent/Priority | |
| 421-OC | | PCT/US1997/014834 | PCT | Pappu | Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 08/22/1997 | Expired | | | PCT | |
| 421-OC | | 60/023440 | United States | Pappu | Cloned Gene to the Neutralization-Sensitive Epitopes of Cryptosporidium Parvum | 08/23/1996 | Expired | | 08/23/1997 | Provisional | |

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