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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4393479

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| <b>SUBMISSION TYPE:</b>           | NEW ASSIGNMENT                                     |
| <b>NATURE OF CONVEYANCE:</b>      | SECURITY INTEREST                                  |
| <b>CONVEYING PARTY DATA</b>       |  |
| <b>Name</b>                       | <b>Execution Date</b>                              |
| ADVANCED ANIMAL DIAGNOSTICS, INC. | 05/01/2017   |
| <b>RECEIVING PARTY DATA</b>       |  |
| <b>Name:</b>                      | CULTIVIAN SANDBOX FOOD & AGRICULTURE FUND II, L.P. |
| <b>Street Address:</b>            | 1000 WEST FULTON MARKET, SUITE 213                 |
| <b>City:</b>                      | CHICAGO  |
| <b>State/Country:</b>             | ILLINOIS   |
| <b>Postal Code:</b>               | 60607  |
| <b>Name:</b>                      | INTERSOUTH PARTNERS VII, L.P.                      |
| <b>Street Address:</b>            | 102 CITY HALL PLAZA, SUITE 200                     |
| <b>City:</b>                      | DURHAM   |
| <b>State/Country:</b>             | NORTH CAROLINA                                     |
| <b>Postal Code:</b>               | 27701  |
| <b>Name:</b>                      | SANDBOX ADVANTAGE FUND, L.P.                       |
| <b>Street Address:</b>            | 1000 WEST FULTON MARKET, SUITE 213                 |
| <b>City:</b>                      | CHICAGO  |
| <b>State/Country:</b>             | ILLINOIS   |
| <b>Postal Code:</b>               | 60607  |
| <b>Name:</b>                      | ORIGAMI CAPITAL PARTNERS, LLC                      |
| <b>Street Address:</b>            | 191 NORTH WACKER DRIVE, SUITE 2350                 |
| <b>City:</b>                      | CHICAGO  |
| <b>State/Country:</b>             | ILLINOIS   |
| <b>Postal Code:</b>               | 60606  |
| <b>Name:</b>                      | MIDDLELAND AG FUND II, L.P.                        |
| <b>Street Address:</b>            | 1100 VERMONT AVENUE, SUITE 450                     |
| <b>City:</b>                      | WASHINGTON   |
| <b>State/Country:</b>             | D.C.   |
| <b>Postal Code:</b>               | 20005  |
| <b>PROPERTY NUMBERS Total: 19</b> |  |

| Property Type       | Number   |
|---------------------|----------|
| Patent Number:      | 9023641  |
| Patent Number:      | D720468  |
| Application Number: | 11568832 |
| Application Number: | 14679430 |
| Application Number: | 12294037 |
| Application Number: | 14105662 |
| Application Number: | 13889744 |
| Application Number: | 14700753 |
| Application Number: | 14394900 |
| Application Number: | 13928741 |
| Application Number: | 14239208 |
| Application Number: | 14239383 |
| Application Number: | 29444213 |
| Application Number: | 14239660 |
| Application Number: | 14239894 |
| Application Number: | 14240202 |
| Application Number: | 14274086 |
| Application Number: | 61821486 |
| Application Number: | 15023604 |

**CORRESPONDENCE DATA**

**Fax Number:** (317)592-4726

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 317-236-2378

**Email:** mario.alvarez@icemiller.com

**Correspondent Name:** MARIO ALVAREZ

**Address Line 1:** ICE MILLER LLP

**Address Line 2:** ONE AMERICAN SQUARE, SUITE 2900

**Address Line 4:** INDIANAPOLIS, INDIANA 46282

|                           |  |
|---------------------------|--|
| <b>NAME OF SUBMITTER:</b> | MARIO ALVAREZ  |
| <b>SIGNATURE:</b>         | /Mario Alvarez/  |
| <b>DATE SIGNED:</b>       | 05/02/2017   |
|                           | This document serves as an Oath/Declaration (37 CFR 1.63). |

**Total Attachments: 3**  
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NOTICE OF SECURITY INTEREST

Advanced Animal Diagnostics, Inc., a Delaware corporation (together with its successors and permitted assigns, "Debtor"), and Cultivian Sandbox Food & Agriculture Fund II, L.P. ("Cultivian"), Intersouth Partners VII, L.P. ("Intersouth"), Sandbox Advantage Fund, L.P. ("Sandbox"), Origami Capital Partners, LLC ("Origami"), and Middleland Ag Fund II, LP ("Middleland") (together with their successors and assigns, collectively the "Secured Parties"), are parties to a certain Security Agreement dated May 1, 2017 (the "Security Agreement").

WHEREAS, Debtor owns certain rights, title and interest in and to certain Collateral (as defined in the Security Agreement), including the Collateral listed on the annexed Schedule A attached hereto; and

WHEREAS, Debtor has granted Secured Parties a security interest as set forth in the Security Agreement in and to, among other things, all right, title and interest of Debtor in the Collateral, to secure the payment, performance and observance of certain obligations defined in the Security Agreement.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Debtor does hereby grant to Secured Parties a security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations defined in the Security Agreement.

Secured Parties do hereby further acknowledge and affirm that the rights and remedies of Secured Parties with respect to the security interest in the Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

*[Signature page immediately follows.]*

IN WITNESS WHEREOF, the Debtor has duly executed this Notice of Security Interest as of the date first written above.

**DEBTOR:**

ADVANCED ANIMAL DIAGNOSTICS, INC.

By:   
Joy Parr Drach, President and CEO

**Exhibit A**  
**List of Patents and Patent Applications**

| <b>Serial/Patent Number</b> | <b>Filing/Issue Date</b> |
|-----------------------------|--------------------------|
| 11/568,832                  | 11/8/2006                |
| 9023641                     | 5/5/2015                 |
| 14/679,430                  | 4/6/2015                 |
| 12/294,037                  | 9/22/2008                |
| 14/105,662                  | 12/13/2013               |
| 13/889,744                  | 5/8/2013<br>6/9/2015     |
| 14/700,753                  | 4/30/2015                |
| 14/394,900                  | 10/16/2014               |
| 13/928,741                  | 6/27/2013                |
| 14/239,208                  | 2/17/2014                |
| 14/239,383                  | 2/18/2014                |
| 29/444,213                  | 1/28/2013                |
| D720468                     | 12/30/2014               |
| 14/239,660                  | 2/19/2014                |
| 14/239,894                  | 2/20/2014                |
| 14/240,202                  | 2/21/2014                |
| 14/274,086                  | 5/9/2014                 |
| 61/821,486                  | 5/9/2013                 |
| 15/023,604                  | 3/21/2016                |