### 506371939 11/24/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6418695

| SUBMISSION TYPE:      | NEW ASSIGNMENT                   |
|-----------------------|----------------------------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT OF ASSIGNORS INTEREST |

#### **CONVEYING PARTY DATA**

| Name                  | Execution Date |
|-----------------------|----------------|
| AXOVANT SCIENCES LTD. | 12/13/2016     |

#### **RECEIVING PARTY DATA**

| Name:           | AXOVANT SCIENCES GMBH |  |
|-----------------|-----------------------|--|
| Street Address: | VIADUKTSTRASSE 8      |  |
| City:           | BASEL                 |  |
| State/Country:  | SWITZERLAND           |  |
| Postal Code:    | 4051                  |  |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 17100528 |

#### **CORRESPONDENCE DATA**

**Fax Number:** (412)545-5060

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:** 412-454-5000

**Email:** docketingpgh@troutman.com

Correspondent Name: TROUTMAN PEPPER HAMILTON SANDERS LLP

Address Line 1: UNION TRUST BUILDING

Address Line 2: 501 GRANT STREEET, SUITE 300

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219-4429

| ATTORNEY DOCKET NUMBER: | 148074.002621      |
|-------------------------|--------------------|
| NAME OF SUBMITTER:      | MICHAEL VERTULLO   |
| SIGNATURE:              | /Michael Vertullo/ |
| DATE SIGNED:            | 11/24/2020         |

#### **Total Attachments: 12**

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> PATENT REEL: 054515 FRAME: 0484

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#### **EXHIBIT A**

### PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT ("Agreement") is by and between Axovant Sciences Ltd, an exempted limited liability company incorporated under the laws of Bermuda, with offices at Clarendon House, 2 Church Street, Hamilton HM11, Bermuda ("Contributor") and Axovant Sciences GmbH, a Switzerland limited liability company, having an address of c/o Vischer AG, Aeschenvorstadt 4, CH-4010 Basel, Switzerland ("Recipient"). Each of the Contributor and the Recipient are referred to in this Agreement as a "party" and together as the "parties".

WHEREAS, Contributor and Recipient have entered that certain Asset Contribution Agreement dated December 13<sup>th</sup>, 2016 (the "Asset Contribution Agreement") pursuant to which Contributor transferred, assigned, conveyed, granted and delivered to Recipient and Recipient accepted from Contributor certain Assigned Assets, including the Contributor's rights, title, claims and interest in and to the patents and patent applications, including provisional patent applications set forth on Schedule A hereto.

WHEREAS, Contributor and Recipient desire to confirm and effectuate such assignment of the Assigned Patents (as defined below) pursuant to the terms and conditions set forth herein.

NOW THEREFORE, in consideration of the mutual covenants set forth herein, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, the parties hereby represent, covenant and agree as follows:

- 1. <u>Defined Terms.</u> Capitalized terms used but not otherwise defined herein shall have the meanings given to them in the Asset Contribution Agreement.
- 2. Assignment. Contributor does hereby irrevocably sell, assign, transfer, convey, grant and set over unto Recipient, its legal representatives, successors, and assigns Contributor's entire right, title, claim and interest that exists today or may exist in the future in and to (i) all national, regional and international patents and patent applications, including provisional patent applications, set forth on Schedule A attached hereto (the "Patents"), and the inventions disclosed in such Patents, (ii) any and all patent applications filed from such Patents or from an application claiming priority from any of such Patents, or based in whole or in part on such inventions disclosed in such Patents, including divisionals, continuations, continuations-inpart, substitutions, provisionals, converted provisionals, and continued prosecution applications, (iii) any and all patents that have issued or been granted or in the future issue or are granted in the United States or any other jurisdiction from the Patents and the patents and patent applications described in clause (ii), including utility models, petty patents and design patents and certificates of invention and (iv) any and all extensions or restorations by existing or future extension or restoration mechanisms, including revalidations, reissues, re-examinations, supplemental examinations, inter partes reviews, post-grant reviews, oppositions and other existing or future post-issuance proceedings, and extensions (including future pending or issued unexpired patent term extension or supplemental protection certificate or equivalent extension

right) of the Patents or the patents or patent applications described in the foregoing clauses (ii) and/or (iii); and (v) all rights under the International Convention for the Protection of Industrial Property ((i) through (v), collectively, the "Assigned Patents"). The rights granted by Contributor to Recipient under the Assigned Patents shall include, without limitation, all benefits, privileges, causes of action and remedies relating to, or otherwise derived from, such Assigned Patents, including the right to any damages accrued for infringement of the Assigned Patents prior to the date of this Agreement, the right to any extension, supplemental protection certificate or equivalent extension right (including the right to rely upon any activities of Contributor before any regulatory authority for purposes of obtaining any extension, supplemental protection certificate or equivalent extension right), and all goodwill associated with such Assigned Patents. The assignment of rights under the Assigned Patents set forth in this Section 2 shall be held and enjoyed by Recipient, its successors and assigns for its and their own use and benefit to the full end of the term for the Assigned Patents (as may be granted or extended) from and after the date of such assignment as fully and entirely as the same would have been held and enjoyed by Contributor had such assignment not been made.

- 3. <u>Acceptance of Assignment.</u> As of December 13<sup>th</sup>, 2016, Recipient hereby receives and accepts the assignment, transfer, conveyance, grant and set over of the rights and properties hereby assigned, transferred and conveyed to it herein from Contributor.
- <u>Further Assurances.</u> Contributor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Agreement. Furthermore, Contributor will, at any time upon request, without further or additional consideration, but at the expense of Recipient, execute, acknowledge and deliver, or cause to be executed, acknowledged and delivered, such additional instruments, notices, releases, certificates, powers of attorney, assurances, bills of sale, and other documents and do all such further acts, assignments, transfers and other things as Recipient may deem necessary or desirable to transfer to Assignee the Assigned Patents and the inventions disclosed in the Assigned Patents, to vest and confirm in Assignee the legal title to the Assigned Patents, and to perfect Recipient's enjoyment of this grant. Contributor will render all necessary assistance in making application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, for such Assigned Patents, and in enforcing any rights or choses in action accruing in connection with such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the successors, assigns and legal representatives of Contributor and Recipient. The undersigned requests that any patents that may be issued on the Assigned Patents or any invention disclosed in the Assigned Patents be issued to Recipient, its legal representatives, successors or assigns, as an owner of the entire right, title and interest in and to such patent and the Assigned Patents covered thereby.
- 5. <u>Recordation</u>. Contributor hereby consents to, requests and authorizes the United States Patent and Trademark Office or any other governmental office or agency in each jurisdiction other than the United States to record this Agreement and to issue any and all letters patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Assigned Patents and the inventions disclosed in the Assigned

Patents in the name of Recipient, as the Recipient to the entire interest therein. Recipient shall have the right to file patent applications included in the Assigned Patents in any country.

- 6. <u>Entire Agreement.</u> This Agreement, together with the Asset Contribution Agreement, constitutes the final agreement between the parties with respect to the subject matter contained herein, and is the complete and exclusive statement of the parties' agreement on the matters contained herein. All prior and contemporaneous negotiations and agreements between the parties with respect to the matters contained herein are superseded by this Agreement and the Asset Contribution Agreement.
- 7. <u>Amendments and Waiver.</u> No modification, waiver or amendment of this Agreement shall be binding unless executed in writing by the parties hereto. No waiver of any of the provisions of this Agreement shall be deemed or shall constitute a waiver of any other provision hereof unless otherwise expressly provided.
- 8. <u>Binding Effect.</u> This Agreement shall be binding upon and inure to the benefit of the respective successors and assigns of the parties hereto.
- 9. <u>Governing Law.</u> This Agreement and all matters relating thereto and arising therefrom shall be governed by, administered under and construed in accordance with the laws of the State of New York, and the patent laws of the United States, without reference to provisions of conflicts of laws, and the courts of the County of New York of the State of New York shall have exclusive jurisdiction with respect thereto.
- 10. <u>Severability</u>. If any provision of this Agreement shall be deemed invalid or unenforceable by any court of competent jurisdiction, then such portion shall be deemed severed, and the remainder thereof shall be enforceable in accordance with its terms.
- 11. <u>Counterparts</u>. This Agreement may be executed in two or more counterparts and by facsimile signature, each of which shall be deemed an original, but all of such counterparts together shall constitute one and the same instrument. The signatures of both parties need not appear on the same document. The delivery of signed counterparts by facsimile or email transmission that includes a copy of a sending party's signature is as effective as signing and delivering the counterpart in person.
- 12. <u>Successors and Assigns.</u> This Agreement shall be binding on and inure to the benefit of the parties hereto, their successors in interest and assigns.

[signature page follows]

IN WITNESS WHEREOF, this Agreement has been duly executed by the undersigned as of the date set forth above.

| undersigned as of the date set forth a | bove.  |
|--|--|
|  | Axovant Sciences Ltd. Contributor  By Name Marianne L. Romeo Title: Head, Global Transactions & Risk Management Date: December 13, 2016 Place: Hamilton Bermuda  |
| WITNESS 1:                             |  |
| By: Wales of                           |  |
|  | <b>"</b> .   |
| Name: MIZUSSA BUTLE                    | gg.  |
| 8 &                                    |  |
| WITNESS 2: By:                         |  |
| Name: MONIKA ADAMS                     | <del>"</del>   |
| Global Transactions & Risk Manag       | , before me personally appeared Marianne L. Romeo, Head, gement, of Axovant Sciences Ltd., known to be the person ached document, and acknowledged to me that he executed merein set forth.    ARA NICOL TAYLOR NANNINI   DEC   3 2016 |
|  | Axovant Sciences GmbH Recipient  |

Axovant Sciences GmbH Recipient

Name: Mark Altmeyer

Title: Chairman, Board of Directors

Date: December 13, 2016 Place: Basel, Switzerland

WITNESS 1:

By: 4. Wall

Name: Salonshau Schank

WITNESS 2:

By: <u>4 Hellis ...</u>

Name: Stoig Plathel

#### ATTESTATION

I, the undersigned Civil Law Notary in Basel, Switzerland, Dr. Roland M. Müller, certify herewith that the signature attached heretofore is the genuine signature of Mr. Mark Altmeyer, citizen of the United States of America, residing in Zurich, Switzerland; acting for Axovant Sciences GmbH, in Basel, Switzerland, as authorized signatory, with single signature.

The authenticity of the signature was established by means of comparison.

BASEL, Switzerland, this 14th (fourteenth) day of December 2016 (two thousand and sixteen)

12.12.6-12.4-

Leg. Prot. /322/2016

#### APOSTILLE

(Convention de la Haye du 5 octobre 1981)

 Country Land Swiss Confederation, Canton of Basel-City Schweizerische Eidgenossenschaft, Kanton Basel-Stadt

This public document Diese öffentliche Urkunde

2. has been signed by ist unterschrieben von

Dr. iur. Roland M. Müller

 acting in the capacity of in seiner Eigenschaft als

**Notary Public** 

bears the stamp/seal of
 Sie ist versehen mit dem
 Stempel/Siegel des/der

Müller Roland M.

Certified / Bestätigt

5. at / in Base

6. the / am

15,12,2016

7. by the durch das

Legalisation Office of the Canton of Basel-City Beglaubigungsbüro des Kantons Basel-Stadt

No. / Nr.

90229

tax / Taxe

CHF 20.00

S.∖stamp/seal ∠ Stempel/Siegel

as .

10. Signature Unterschrift Helena Schaltn

#41968193 v1

# (to Patent Assignment Agreement)

| Case Number  | Country | Application<br>Number | Filing Date | Patent Number   | Issue Date   | Status    |
|--------------|---------|-----------------------|-------------|-----------------|--------------|-----------|
| 142956.00144 | AI      | AI/A/2008/00067       | 09/18/2008  | AI/A/2008/00067 | 12/01/2008   | Abandoned |
| 142956.00125 | AR      | P030101028            | 03/25/2003  | AR039127        | 06/27/2013   | Granted   |
| 142956.00156 | AT      | 03714889.7            | 03/25/2003  | 398108          | 06/11/2008   | Granted   |
| 142956.00107 | AU      | 2003219103            | 03/25/2003  | 2003219103      | 02/05/2009   | Granted   |
| 142956.00157 | BE      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00158 | BG      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00145 | BM      | 357EP                 | 09/12/2008  | 357EP           | 02/15/2010   | Granted   |
| 142956.00147 | BN      |                       | 09/09/2008  | RP/63/2008      | 12/22/2008   | Abandoned |
| 142956.00116 | BR      | PI0308696-8           | 03/25/2003  |                 |              | Published |
| 142956.00105 | CA      | 2479786               | 03/25/2003  | 2479786         | 11/29/2011   | Granted   |
| 142956.00159 | СН      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00108 | CN      | 03811644.8            | 03/25/2003  | 03811644.8      | 05/16/2007   | Granted   |
| 142956.00155 | CO      | 04-092872             | 03/25/2003  | 819             | 10/26/2010   | Granted   |
| 142956.00135 | CY      | CY20081100943         | 03/25/2003  | CY1108313       | 06/11/2008   | Granted   |
| 142956.00165 | CZ      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00166 | DE      | 03714889.7            | 03/25/2003  | 60321558.0      | 06/11/2008   | Granted   |
| 142956.00167 | DK      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00168 | EE      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00123 | EP      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00169 | ES      | 03714889.7            | 03/25/2003  | 2307919         | 06/11/2008   | Granted   |
| 142956.00174 | FI      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00149 | FJ      | 1017                  | 09/10/2008  | 1017            | 03/30/2009   | Granted   |
| 142956.00148 | FK      | 13980                 | 09/12/2008  | 13980           | 09/12/2008   | Abandoned |
| 142956.00175 | FR      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00103 | GB      | 0207289.0             | 03/27/2002  |                 |              | Abandoned |
| 142956.00113 | GB      | 0225678.2             | 11/04/2002  |                 |              | Abandoned |
| 142956.00176 | GB      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00153 | GD      | 23/2008               | 09/16/2008  | 23/2008         | 09/16/2008   | Granted   |
| 142956.00163 | GG      | EP1497266             | 01/15/2010  | EP1497266       | 01/15/2010   | Granted   |
| 142956.00143 | GI      | 594                   | 09/23/2008  | 594             | 09/23/2008   | Granted   |
| 142956.00142 | GM      | GM/P/23/2008          | 03/25/2003  | GM/P/23/2008    | 06/11/2008   | Granted   |
| 142956.00177 | GR      | 20080402270           | 03/25/2003  | 3066416         | 06/11/2008   | Granted   |
| 142956.00118 | HK      | 05105458.9            | 06/29/2005  | 1074439         | 02/06/2009   | Granted   |
| 142956.00178 | HU      | E03714889             | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00179 | ΙΕ      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00129 | IL      | 164108                | 03/25/2003  | 164108          | 09/01/2010   | Granted   |
| 142956.00128 | IN      | 2703/DELNP/2004       | 03/25/2003  | 224125          | 09/29/2008   | Granted   |
| 142956.00164 | IS      | 7470                  | 03/25/2003  | 2599            | 04/15/2010   | Granted   |
| 142956.00184 | IT      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00183 | JE      | P790                  | 11/14/2008  | P790            | 11/14/2008   | Granted   |
| 142956.00173 | JM      | 18/1/4823             | 09/17/2008  | 3830            | 02/03/2011   | Granted   |
| 142956.00104 | JP      | 2003-578335           | 03/25/2003  | 4455064         | 02/12/2010   | Granted   |
| 142956.00193 | KI      |                       | 10.20,200   | 14/08           | 06/11/2008   | Granted   |
| 142956.00109 | KR      | 10-2004-7015297       | 03/25/2003  | 10-1020399      | 02/28/2011   | Granted   |
| 142956.00132 | KY      | 23 200                | 09/09/2008  | 10 1020000      | 32,20,2011   | Abandoned |
| 142956.00186 | LT      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00187 | LU      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00185 | LV      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00188 | MC      | 03714889.7            | 03/25/2003  | 1497266         | 06/11/2008   | Granted   |
| 142956.00106 | MX      | PA/a/2004/009318      | 03/25/2003  | 256850          | 05/02/2008   | Granted   |
| 172730.00100 | 1417.   | 173/0/2004/00/310     | 0312312003  | 230030          | 1 03/02/2000 | Gianica   |

# (to Patent Assignment Agreement)

| Case Number  | Country    | Application<br>Number | Filing Date | Patent Number            | Issue Date | Status     |
|--------------|------------|-----------------------|-------------|--------------------------|------------|------------|
| 142956.00126 | MY         | PI20031054            | 03/25/2003  | MY-138836-A              | 07/31/2009 | Granted    |
| 142956.00189 | NL         | 03714889.7            | 03/25/2003  | 1497266                  | 06/11/2008 | Granted    |
| 142956.00117 | NO         | 20044588              | 03/25/2003  | 329319                   | 09/27/2010 | Granted    |
| 142956.00115 | NZ         | 535239                | 03/25/2003  | 535239                   | 07/10/2008 | Granted    |
| 142956.00127 | PH         | 1-2004-501484         | 03/25/2003  | 1-2004-501484            | 05/31/2013 | Granted    |
| 142956.00139 | PK         | 248/2003              | 03/25/2003  | 139596                   | 06/05/2008 | Granted    |
| 142956.00137 | PL         | 374378                | 03/25/2003  | 209872                   | 05/25/2011 | Granted    |
| 142956.00194 | PT         | 03714889.7            | 03/25/2003  | 1497266                  | 06/11/2008 | Granted    |
| 142956.00195 | RO         | 03714889.7            | 03/25/2003  | 1497266                  | 06/11/2008 | Granted    |
| 142956.00124 | RU         | 2004131641            | 03/25/2003  | 2309154                  | 10/27/2007 | Granted    |
| 142956.00162 | SB         | J37/314               | 03/25/2003  | J37/314                  | 04/23/2012 | Granted    |
| 142956.00196 | SE         | 03714889.7            | 03/25/2003  | 1497266                  | 06/11/2008 | Granted    |
| 142956.00136 | SG         | 2004054 <b>8</b> 5-4  | 03/25/2003  | 106911                   | 09/29/2006 | Granted    |
| 142956.00197 | SI         | 03714889.7            | 03/25/2003  | P-200331326              | 06/11/2008 | Granted    |
| 142956.00198 | SK         | 03714889.7            | 03/25/2003  | 1497266                  | 06/11/2008 | Granted    |
| 142956.00172 | TC         | 10102                 | 11/04/2008  | 10102                    | 10/28/2009 | Granted    |
| 142956.00199 | TR         | 03714889.7            | 03/25/2003  | TR200806470T4            | 06/11/2008 | Granted    |
| 142956.00182 | TV         | TVP1497266            | 09/30/2008  | TVP1497266               | 09/30/2008 | Granted    |
| 142956.00119 | TW         | 092106558             | 03/25/2003  | I26 <b>8</b> 92 <b>8</b> | 12/21/2006 | Granted    |
| 142956.00101 | US         | 10/509078             | 09/27/2004  | 7452888                  | 11/18/2008 | Granted    |
| 142956.00111 | US         | 12/205079             | 09/05/2008  | 7601837                  | 10/13/2009 | Granted    |
| 142956.00121 | US         | 12/541456             | 08/14/2009  | 7799774                  | 09/21/2010 | Granted    |
| 142956.00131 | US         | 12/847039             | 07/30/2010  | 7977337                  | 07/12/2011 | Granted    |
| 142956.00141 | US         | 13/152356             | 06/03/2011  | 8236947                  | 08/07/2012 | Granted    |
| 142956.00138 | <b>V</b> E | 458/2003/PAT          | 03/25/2003  |                          |            | Abandoned  |
| 142956.00146 | VG         |                       | 09/24/2008  | 298/21/2008              | 02/18/2009 | Abandoned  |
| 142956.00192 | VU         | 22085                 | 10/09/2008  | 22085                    | 10/09/2008 | Granted    |
| 142956.00102 | WO         | PCT/EP2003/003197     | 03/25/2003  |                          |            | Expired    |
| 142956.00152 | WS         |                       | 12/24/2008  | 92                       | 12/24/2008 | Granted    |
| 142956.00134 | ZA         | 2004/07320            | 03/25/2003  | 2004/07320               | 11/30/2005 | Granted    |
| 142956.00244 | AT         | 04765655.8            | 09/23/2004  | 379625                   | 11/28/2007 | Abandoned  |
| 142956.00207 | AU         | 2004283805            | 09/23/2004  |                          |            | Abandoned  |
| 142956.00245 | BE         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00246 | BG         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00216 | BR         | 60202                 | 09/23/2004  | 4487                     | 01/27/2009 | Abandoned  |
| 142956.00205 | CA         | 2540022               | 09/23/2004  |                          |            | Abandoned  |
| 142956.00289 | CH         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00218 | CN         | 200480027527          | 09/23/2004  |                          |            | Abandoned  |
| 142956.00217 | CO         | 06-030123             | 09/23/2004  |                          |            | Abandoned  |
| 142956.00248 | CY         | CY08/1100175          | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00249 | CZ         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00258 | DE         | 04765655.8            | 09/23/2004  | 602004010410.8           | 11/28/2007 | Abandoned  |
| 142956.00254 | DK         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00215 | DZ         | 60202                 | 09/23/2004  | 4487                     | 01/27/2009 | Abandoned  |
| 142956.00255 | EE         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00219 | EG         | 284/2006              | 09/23/2004  | 230.2.0                  | 11,20,200, | Abandoned  |
| 142956.00203 | EP         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00287 | ES         | 04765655.8            | 09/23/2004  | 2297465                  | 11/28/2007 | Abandoned  |
| 142956.00256 | FI         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 142956.00257 | FR         | 04765655.8            | 09/23/2004  | 1667975                  | 11/28/2007 | Abandoned  |
| 2.2223.00227 | 1          | 1                     | 32,23,2001  | 1 2007270                | 1112012001 | 1 Danaonoa |

# (to Patent Assignment Agreement)

| Case Number  | Country | Application<br>Number    | Filing Date | Patent Number    | Issue Date | Status    |
|--------------|---------|--------------------------|-------------|------------------|------------|-----------|
| 142956.00208 | GB      | 0322629.7                | 12/26/2003  |                  |            | Abandoned |
| 142956.00295 | GB      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00259 | GR      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00233 | HK      | 06113097.9               | 09/23/2004  | 1094190          | 04/25/2008 | Abandoned |
| 142956.00247 | HR      | 04765655.8               | 09/23/2004  | P20080055        | 11/28/2007 | Abandoned |
| 142956.00264 | HU      | 04765655.8               | 09/23/2004  | E002 <b>8</b> 49 | 11/28/2007 | Abandoned |
| 142956.00225 | ID      | W-00200600808            | 09/23/2004  |                  |            | Abandoned |
| 142956.00266 | IE      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00238 | IL      | 174213                   | 09/23/2004  |                  |            | Abandoned |
| 142956.00228 | IN      | 970/DELNP/2006           | 09/23/2004  |                  |            | Abandoned |
| 142956.00265 | IS      | 8399                     | 09/23/2004  |                  |            | Abandoned |
| 142956.00267 | IT      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00296 | JM      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00204 | JP      | 2006-527373              | 09/23/2004  |                  |            | Abandoned |
| 142956.00209 | KR      | 10-2006-7005 <b>8</b> 95 | 09/23/2004  |                  |            | Abandoned |
| 142956.00269 | LT      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00274 | LU      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00268 | LV      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00276 | MA      | PV/28.933                | 09/23/2004  | 28093            | 08/01/2006 | Abandoned |
| 142956.00275 | MC      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00206 | MX      | PA/a/2006/003375         | 09/23/2004  | 256822           | 05/02/2008 | Abandoned |
| 142956.00277 | NL      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00227 | NO      | 20061791                 | 09/23/2004  |                  |            | Abandoned |
| 142956.00226 | NZ      | 545420                   | 09/23/2004  |                  |            | Abandoned |
| 142956.00234 | PH      | 1-2006-500410            | 09/23/2004  |                  |            | Abandoned |
| 142956.00278 | PL      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00279 | PT      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00284 | RO      | 04765655.8               | 09/23/2004  | 1005529          | 11/28/2007 | Abandoned |
| 142956.00235 | RU      | 2006114024               | 09/23/2004  | 2355681          | 05/20/2009 | Abandoned |
| 142956.00288 | SE      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00236 | SG      | 200601895-6              | 09/23/2004  | 120664           | 04/30/2007 | Abandoned |
| 142956.00286 | SI      | 04765655.8               | 09/23/2004  | 200430610        | 11/28/2007 | Abandoned |
| 142956.00285 | SK      | 04765655.8               | 09/23/2004  | 1667975          | 11/28/2007 | Abandoned |
| 142956.00294 | TR      | 04765655.8               | 09/23/2004  | 2008/01203       | 11/28/2007 | Abandoned |
| 142956.00201 | US      | 10/572670                | 03/20/2006  |                  |            | Abandoned |
| 142956.00229 | VN      | 1-2006-00466             | 09/23/2004  | 1-2006-00466     | 10/26/2012 | Abandoned |
| 142956.00202 | WO      | PCT/EP2004/010843        | 09/23/2004  |                  |            | Expired   |
| 142956.00237 | ZA      | 2006/01453               | 09/23/2004  | 2006/01453       | 04/25/2007 | Abandoned |
| 142956.00325 | BE      | 05807786.8               | 11/17/2005  | 1824830          | 07/14/2010 | Abandoned |
| 142956.00305 | CA      | 2588381                  | 11/17/2005  |                  |            | Abandoned |
| 142956.00327 | DE      | 05807786.8               | 11/17/2005  | 602005022346     | 07/14/2010 | Abandoned |
| 142956.00303 | EP      | 05807786.8               | 11/17/2005  | 1824830          | 07/14/2010 | Abandoned |
| 142956.00329 | ES      | 05807786.8               | 11/17/2005  | 2348285          | 07/14/2010 | Abandoned |
| 142956.00326 | FR      | 05807786.8               | 11/17/2005  | 1824830          | 07/14/2010 | Abandoned |
| 142956.00308 | GB      | 0425548.5                | 11/19/2004  |                  |            | Abandoned |
| 142956.00335 | GB      | 05807786.8               | 11/17/2005  | 1824830          | 07/14/2010 | Abandoned |
| 142956.00328 | IT      | 05807786.8               | 11/17/2005  | 1824830          | 07/14/2010 | Abandoned |
| 142956.00301 | US      | 11/719808                | 05/21/2007  |                  |            | Abandoned |
| 142956.00302 | WO      | PCT/EP2005/012463        | 11/17/2005  |                  |            | Expired   |
| 142956.00403 | EP      | 06792321.9               | 09/26/2006  |                  |            | Abandoned |

# $\underline{SCHEDULE\;A}$

# (to Patent Assignment Agreement)

| Case Number  | Country | Application<br>Number | Filing Date | Patent Number  | Issue Date | Status    |
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| 142956.00408 | GB      | 0519758.7             | 09/28/2005  |                |            | Abandoned |
| 142956.00404 | JP      | 2008-532680           | 09/26/2006  |                |            | Abandoned |
| 142956.00401 | US      | 12/067537             | 03/20/2008  |                |            | Abandoned |
| 142956.00402 | WO      | PCT/EP2006/009460     | 09/26/2006  |                |            | Expired   |
| 142956.00525 | BE      | 08718011.3            | 03/19/2008  | 2120950        | 07/04/2012 | Granted   |
| 142956.00527 | DE      | 08718011.3            | 03/19/2008  | 602008016966.9 | 07/04/2012 | Granted   |
| 142956.00503 | EP      | 08718011.3            | 03/19/2008  | 2120950        | 07/04/2012 | Granted   |
| 142956.00529 | ES      | 08718011.3            | 03/19/2008  | 2389958T3      | 07/04/2012 | Granted   |
| 142956.00526 | FR      | 08718011.3            | 03/19/2008  | 2120950        | 07/04/2012 | Granted   |
| 142956.00508 | GB      | 0705424.0             | 03/21/2007  |                |            | Abandoned |
| 142956.00518 | GB      | 0712390.4             | 06/26/2007  |                |            | Abandoned |
| 142956.00535 | GB      | 08718011.3            | 03/19/2008  | 2120950        | 07/04/2012 | Granted   |
| 142956.00528 | IT      | 08718011.3            | 03/19/2008  | 2120950        | 07/04/2012 | Granted   |
| 142956.00504 | JP      | 2009-554019           | 03/19/2008  |                |            | Abandoned |
| 142956.00501 | US      | 12/531896             | 09/18/2009  |                |            | Abandoned |
| 142956.00502 | WO      | PCT/EP2008/053285     | 03/19/2008  |                |            | Expired   |
| 142956.00603 | EP      | 08859896.6            | 12/10/2008  |                |            | Abandoned |
| 142956.00613 | EP      | 12170019.9            | 12/10/2008  |                |            | Abandoned |
| 142956.00608 | GB      | 0724281.1             | 12/12/2007  |                |            | Abandoned |
| 142956,00618 | GB      | 0724285.2             | 12/12/2007  |                |            | Abandoned |
| 142956.00601 | US      | 12/746968             | 06/09/2010  | 9084742        | 07/21/2015 | Granted   |
| 142956.00611 | US      | 14/802036             | 07/17/2015  | 1001112        |            | Published |
| 142956.00602 | WO      | PCT/EP2008/067225     | 12/10/2008  |                |            | Expired   |
| 142956.00700 | US      | 62/107915             | 01/26/2015  |                |            | Expired   |
| 142956.00800 | US      | 62/116342             | 02/13/2015  |                |            | Abandoned |
| 142956.00925 | AR      | 20160101329           | 05/09/2016  |                |            | Pending   |
| 142956.00939 | PK      | 269/2016              | 05/09/2016  |                |            | Pending   |
| 142956.00919 | TW      | 105114338             | 05/09/2016  |                |            | Pending   |
| 142956.00900 | US      | 62/162068             | 05/15/2015  |                |            | Expired   |
| 142956.00901 | US      | 15/149040             | 05/06/2016  |                |            | Pending   |
| 142956.00902 | WO      | PCT/US2016/031359     | 05/06/2016  |                |            | Pending   |
| 142956.01000 | US      | 62/201494             | 08/05/2015  |                |            | Pending   |
| 142956.01156 | AT      | 08157490.7            | 03/25/2003  | 561925         | 06/13/2012 | Granted   |
| 142956.01157 | BE      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01158 | BG      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01159 | CH      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01155 | CO      | 04-092 <b>8</b> 72A   | 03/25/2003  | 1180           | 03/11/2011 | Abandoned |
| 142956.01135 | CY      | CY20121100804         | 03/25/2003  | CY1113306      | 06/13/2012 | Granted   |
| 142956.01165 | CZ      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01166 | DE      | 08157490.7            | 03/25/2003  | 60341319.6     | 06/13/2012 | Granted   |
| 142956.01167 | DK      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01168 | EE      | 08157490.7            | 03/25/2003  | E006935        | 06/13/2012 | Granted   |
| 142956.01103 | EP      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01169 | ES      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01174 | FI      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01174 | FR      | 08157490.7            | 03/25/2003  | 1956004        | 06/13/2012 | Granted   |
| 142956.01176 | GB      | 08157490.7            |             | 1956004        | 06/13/2012 | Granted   |
|              |         |                       | 03/25/2003  |                |            |           |
| 142956.01177 | GR      | 08157490.7            | 03/25/2003  | 3078701        | 06/13/2012 | Granted   |
| 142956.01118 | HK      | 08110250.6            | 09/16/2008  | E015014        | 06/12/2012 | Abandoned |
| 142956.01178 | HU      | 08157490.7            | 03/25/2003  | E015014        | 06/13/2012 | Granted   |

# $\underline{\textbf{SCHEDULE}\; \textbf{A}}$

# (to Patent Assignment Agreement)

| Case Number  | Country | Application<br>Number | Filing Date | Patent Number | Issue Date   | Status    |
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| 142956.01179 | ΙΕ      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01184 | IT      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01104 | JP      | 2009-125459           | 03/25/2003  | 5091913       | 09/21/2012   | Granted   |
| 142956.01186 | LT      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01187 | LU      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01185 | LV      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01188 | MC      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01189 | NL      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01139 | PK      | 1144/2006             | 09/08/2006  | 139607        | 06/05/2008   | Abandoned |
| 142956.01194 | PT      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01195 | RO      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01196 | SE      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01197 | SI      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01198 | SK      | 08157490.7            | 03/25/2003  | 1956004       | 06/13/2012   | Granted   |
| 142956.01199 | TR      | 08157490.7            | 03/25/2003  | TR201209459T4 | 06/13/2012   | Granted   |
| 142956.01200 | US      | 62/162060             | 05/15/2015  |               |              | Expired   |
| 142956.01300 | US      | 62/162138             | 05/15/2015  |               |              | Expired   |
| 142956.01425 | AR      | 20160101330           | 05/09/2016  |               |              | Pending   |
| 142956.01439 | PK      | 270/2016              | 05/09/2016  |               |              | Pending   |
| 142956.01419 | TW      | 105114336             | 05/09/2016  |               |              | Pending   |
| 142956.01400 | US      | 62/162193             | 05/15/2015  |               |              | Expired   |
| 142956.01401 | US      | 15/149053             | 05/06/2016  |               |              | Pending   |
| 142956.01410 | US      | 62/168246             | 05/29/2015  |               |              | Expired   |
| 142956.01420 | US      | 62/169414             | 06/01/2015  |               |              | Expired   |
| 142956.01430 | US      | 62/182225             | 06/19/2015  |               |              | Expired   |
| 142956.01402 | WO      | PCT/US2016/031367     | 05/06/2016  |               |              | Pending   |
| 142956.01500 | US      | 62/158422             | 05/07/2015  |               |              | Expired   |
| 142956.01510 | US      | 62/165034             | 05/21/2015  |               |              | Expired   |
| 142956.01520 | US      | 62/167986             | 05/29/2015  |               |              | Expired   |
| 142956.01530 | US      | 62/189089             | 07/06/2015  |               |              | Pending   |
| 142956.01540 | US      | 62/191189             | 07/10/2015  |               |              | Pending   |
| 142956.01550 | US      | 62/201513             | 08/05/2015  |               |              | Pending   |
| 142956.01560 | US      | 62/239530             | 10/09/2015  |               |              | Pending   |
| 142956.01570 | US      | 62/251534             | 11/05/2015  |               |              | Pending   |
| 142956.01580 | US      | 62/256349             | 11/17/2015  |               |              | Pending   |
| 142956.01590 | US      | 62/261115             | 11/30/2015  |               |              | Pending   |
| 142956.01598 | US      | 62/289643             | 02/01/2016  |               |              | Pending   |
| 142956.01599 | US      | 62/289162             | 01/29/2016  |               |              | Pending   |
| 142956.01600 | US      | 62/165532             | 05/22/2015  |               | 1            | Abandoned |
| 142956.01610 | US      | 62/289730             | 02/01/2016  |               |              | Abandoned |
| 142956.01700 | US      | 62/192959             | 07/15/2015  |               |              | Abandoned |
| 142956.02406 | AR      | 20160101753           | 06/13/2016  |               |              | Pending   |
| 142956.02409 | PK      | 346/2016              | 06/13/2016  |               |              | Pending   |
| 142956.02408 | TW      | 105118422             | 06/13/2016  |               |              | Pending   |
| 142956.02400 | US      | 62/174983             | 06/12/2015  |               |              | Expired   |
| 142956.02401 | US      | 15/179926             | 06/10/2016  |               | <del> </del> | Pending   |
| 142956.02401 | US      | 62/194084             | 07/17/2015  |               |              | Pending   |
| 142956.02410 | US      | 62/236562             | 10/02/2015  |               | +            | Pending   |
| 142956.02420 | US      | 62/263967             | 12/07/2015  |               |              | Pending   |
| 142956.02440 | US      | 62/278198             | 01/13/2016  |               | +            | Pending   |

# (to Patent Assignment Agreement)

| Case Number  | Country | Application        | Filing Date | Patent Number | Issue Date | Status    |
|--------------|---------|--------------------|-------------|---------------|------------|-----------|
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| 142956.02402 | WO      | PCT/US2016/037090  | 06/10/2016  |               |            | Pending   |
| 142956.02500 | US      | 62/191222          | 07/10/2015  |               |            | Abandoned |
| 142956.02510 | US      | 62/261470          | 12/01/2015  |               |            | Abandoned |
| 142956.02606 | AR      | 20160102171        | 07/18/2016  |               |            | Pending   |
| 142956.02609 | PK      | 435/2016           | 07/15/2016  |               |            | Pending   |
| 142956.02608 | TW      | 105122509          | 07/15/2016  |               |            | Pending   |
| 142956.02600 | US      | 62/192939          | 07/15/2015  |               |            | Expired   |
| 142956.02601 | US      | 15/211638          | 07/15/2016  |               |            | Pending   |
| 142956.02602 | WO      | PCT/US2016/042556  | 07/15/2016  |               |            | Pending   |
| 142956.02700 | US      | 62/236618          | 10/02/2015  |               |            | Pending   |
| 142956.02710 | US      | 62/261381          | 12/01/2015  |               |            | Pending   |
| 142956.02800 | US      | 62/299725          | 02/25/2016  |               |            | Pending   |
| 142956.02810 | US      | 62/406 <b>8</b> 21 | 10/11/2016  |               |            | Pending   |
| 142956.02900 | US      | 62/294961          | 02/12/2016  |               |            | Pending   |
| 142956.02910 | US      | 62/296556          | 02/17/2016  |               |            | Pending   |
| 142956.03100 | US      | 62/375355          | 08/15/2016  |               |            | Pending   |
| 142956.03400 | US      | 62/429,547         | 12/02/2016  |               |            | Pending   |

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