## 504211604 02/03/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4258281

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

#### **CONVEYING PARTY DATA**

| Name        | Execution Date |
|-------------|----------------|
| ABSORBER AB | 01/31/2017     |

### **RECEIVING PARTY DATA**

| Name:           | OLERUP SSP AB  |  |
|-----------------|----------------|--|
| Street Address: | FRANZÉNGATAN 5 |  |
| City:           | STOCKHOLM      |  |
| State/Country:  | SWEDEN         |  |
| Postal Code:    | 112 51         |  |

## **PROPERTY NUMBERS Total: 9**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 10199342 |
| Application Number: | 12011828 |
| Application Number: | 60306984 |
| Application Number: | 10439666 |
| Application Number: | 12326547 |
| Application Number: | 60381033 |
| Application Number: | 60551594 |
| Application Number: | 11690616 |
| Application Number: | 13036446 |

#### **CORRESPONDENCE DATA**

**Fax Number:** (617)542-2241

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: (617) 542-6000

Email: jfoley@mintz.com

Correspondent Name: MINTZ LEVIN

Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER: 23254-500

NAME OF SUBMITTER: LINYU MITRA

PATENT 504211604 REEL: 041166 FRAME: 0459

| SIGNATURE:  | /Linyu L. Mitra/ |  |
|---|------------------|--|
| DATE SIGNED:  | 02/03/2017       |  |
| Total Attachments: 4  |                  |  |
| source=Patent transfer from AbSorber to Olerup SSP AB - 2017-01-31 - signed#page1.tif |                  |  |
| source=Patent transfer from AbSorber to Olerup SSP AB - 2017-01-31 - signed#page2.tif |                  |  |
| source=Patent transfer from AbSorber to Olerup SSP AB - 2017-01-31 - signed#page3.tif |                  |  |
| source=Patent transfer from AbSorber to Olerup SSP AB - 2017-01-31 - signed#page4.tif |                  |  |

PATENT REEL: 041166 FRAME: 0460

#### PATENT ASSIGNMENT

WHEREAS, Absorber AB., (hereinafter, "Assignor"), having its principal office and place of business at Franzéngatan 5, 112 51 Stockholm, Sweden, is the owner of rights in the patents and patent applications set forth on the attached <u>Schedule A</u>, and the inventions disclosed and claimed therein; and

WHEREAS, Olerup SSP AB. (hereinafter, "Assignee"), having its principal office and place of business at Franzéngatan 5, 112 51 Stockholm, Sweden, desires to acquire the entire right, title, and interest in and to said inventions, patents and patent application;

NOW THEREFORE, effective immediately by this document, and for good and valuable consideration, including provision of know-how, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, assign and transfer to Assignee, and its successors and assigns, the entire right, title, and interest, in the United States and all foreign countries, in said patents and patent applications and to the inventions disclosed therein, and all continuations, divisions, reissues, and substitutes thereof, rights of priority under the International Convention for the Protection of Industrial Property, the Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and in and to all income, royalties, damages, claims, and payments hereafter due or payable with respect thereto, and in and to all causes of action (either in law or in equity) and the right to sue, counterclaim, and recover for present, and future infringement of the rights assigned to Assignee hereunder.

Assignor hereby agrees to execute any papers and to perform such other proper acts as Assignee or its successors or assigns may deem reasonably necessary to secure to Assignee or to its successors or assigns, the rights hereby transferred.

Assignor covenants and agrees that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute any agreement in conflict herewith.

Assignor covenants and agrees to seek Assignee's express written consent prior to practicing a method or selling a device covered by said applications.

WHEREFORE, Assignor and Assignee have caused this Patent Assignment to be duly executed below, on the date indicated, by their respective duly authorized officers.

Absorbed AB.

By:

Name:
Title: CEC
Date: 2017-01-31

Olerup 6SP AB.
By:
Name:
Title: CEC
Date: 2017-01-31

PATENT REEL: 041166 FRAME: 0461

# SCHEDULE A

| Country                        | Application No.                         | Filing Date                             | Title   |
|--------------------------------|---|---|---|
| Japan                          | 2009-62104                              | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides And Method<br>Of Use Thereof  |
| Japan                          | 2012-826                                | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides And Method<br>Of Use Thereof  |
| United States of<br>America    | 10/199342                               | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides And Method<br>Of Use Thereof  |
| United States of<br>America    | 12/011828                               | 30-Jan-2008                             | Blood Group Antigen Fusion Polypeptides And Method<br>Of Use Therrof  |
| Australia                      | 2002321760                              | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides And Method<br>Of Use Thereof  |
| Canada                         | 2454469                                 | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides and Methods of Use Thereof  |
| European Patent<br>Convention  | 02755543.2                              | 19-Jul-2002                             | Absorption Of Anti-Blood Group A Antibodies On<br>Recombinant Mucinmununglobulin Chimeras Carrying<br>The Blood Group A Determinant |
| Japan                          | 2003-515560                             | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides and Methods of Use Thereof  |
| Norway                         | 20040249                                | 19-Jul-2002                             | Blood Group Antigen Fusion Polypeptides and Methods of Use Thereof  |
| Patent Cooperation<br>Treaty   | PCT/IB2002/003379                       | 19-Jul-2002                             | Absorption Of Anti-Blood Group A Antibodies On<br>Recombinant Mucinmunoglobulin Chimeras Carrying<br>The Blood Group A Determinant  |
| United States of<br>America    | 60/306984                               | 20 1/1/2004                             | Absorption Of Anti-Blood Group A Antibodies On<br>Recombinant Mucinmmunoglobulin Chimeras Carrying                                  |
| Austria                        | 03730427.6                              | 20-Jul-2001<br>16-May-2003              | The Blood Group A Determinant  Methods Of Donor Specific Crossmatching  |
| Belgium                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| Bulgaria<br>Cyprus, Republic   | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| of Czech Republic              | 03730427.6<br>03730427.6                | 16-May-2003<br>16-May-2003              | Methods Of Donor Specific Crossmatching Methods Of Donor Specific Crossmatching   |
| Denmark                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| Estonia                        | 03730427.6                              | i 6-May-2003                            | Methods Of Donor Specific Crossmatching   |
| Finland                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| rance                          | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| Sermany                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| Greece                         | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| lungary                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| ndia                           | 171/KOLNP/2009                          | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| reland                         |   | *************************************** | ······································  |
| taly                           | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| .iechtenstein                  | **********************************      | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| ****************************** | 03730427.6<br>03730427.6                | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| uxembourg.                     | *************************************** | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| Aonaco                         | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| Setherlands                    | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| 'oland                         | P-397820                                | 16-May-2003                             | Methods Of Denor Specific Crossmatching   |
| ortugal                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| lomania                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| lovakia                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| lovenia                        | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| pain                           | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| weden                          | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| witzerland                     | 03730427.6                              | 16-May-2003                             | Methods Of Donor Specific Crossmatching   |
| urkey                          | 03730427.6                              | 16-May-2003                             | ***************************************   |
| Inited Kingdom                 | 03730427.6                              |   | Methods Of Donor Specific Crossmatching   |
| Inited States of merica        | 10/439666                               | 16-May-2003<br>16-May-2003              | Methods Of Donor Specific Crossmatching  Methods Of Donor Specific Crossmatching  |

| United States of             |                     |   |  |
|------------------------------|---------------------|---|--|
| America                      | 12/326547           | 02-Dec-2008                             | Methods Of Donor Specific Crossmatching  |
|                              |                     |   | Method Of Isolating An Endothelial Cell And Method Of                                  |
| Australia                    | 2063241107          | 16-May-2003                             | Donor Specific Crossmatching   |
| ii                           | nana 1 100 a        | 16 84 2002                              | Method Of Isolating An Endothelial Cell And Method Of                                  |
| Brazil                       | P10311182-2         | 16-May-2003                             | Donor Specific Crossmatching   |
| Canada                       | 2486119             | 16 May 2002                             | Method Of Isolating An Endothelial Cell And Method Of<br>Donor Specific Crossmatching  |
| European Patent              | 2460113             | 16-May-2003                             | Forest Specific Crossmatching  |
| Convention                   | 03730427.6          | 16-May-2003                             | Methods Of Donor Specific Crossmatching  |
| India                        | 1749/KOLNP/2004     | 16-May-2003                             | Methods of Donor Specific Crossmatching  |
| E27/41/62                    | 1/3/1000131/2003    | 10-May-2000                             | Methods of Isolating CD 34 Negative Precursor  |
| Israel                       | 165250              | 16-May-2003                             | Endothelial Cells from a Biological Sample   |
|                              |                     |   | Method Of Isolating An Endothelial Cell And Method Of                                  |
| New Zealand                  | 537220              | 16-May-2003                             | Donor Specific Crossmatching   |
| Norway                       | 20040174            | 16-May-2003                             | Methods Of Donor Specific Crossmatching  |
| Patent Cooperation           |                     | *                                       | Method Of Isolating An Endothelial Cell And Method Of                                  |
| Treaty                       | PCT/IB2003/002502   | 16-May-2003                             | Donor Specific Crossmatching   |
|                              |                     |   | Method Of Isolating An Endothelial Cell And Method Of                                  |
| Poland                       | P-373564            | 16-May-2003                             | Donor Specific Crossmatching   |
|                              |                     |   | Isolation Of Precursor Endothelial Cells From Peripheral                               |
| United States of             |                     |   | Blood For Donor-Specific Crossmatching Before  |
| America                      | 60/381033           | 16-May-2002                             | Transplantation  |
| . 2a.                        |                     |   | Endothelial Progenitor Cells And Method Of Use   |
| Australia                    | 2005219660          | 09-Mar-2005                             | Thereof  |
| × 1                          |                     | KK 800 AKA2                             | Endothelial Progenitor Cells And Method Of Use   |
| Canada                       | 2559110             | 09-Mar-2005                             | Thereof Endethelial Progenitor Cells And Method Of Use                                 |
| Tomwa                        | 2007 502440         | 00.33                                   | Endotherial Progenitor Cells And Method Of Use Thereof                                 |
| Japan<br>Potest Commention   | 2007-502440         | 09-Mar-2005                             | Endothelial Progenitor Cells And Method Of Use   |
| Patent Cooperation<br>Treaty | PCT/IB2005/001072   | 09-Mar-2005                             | Thereof  |
| United States of             | 1 € 171820037891072 | 09-Wis-2003                             | Endothelial Progenitor Cells And Method Of Use   |
| America                      | 60/551594           | 09-Mar-2004                             | Thereof  |
| 3 111101 1013                |                     |   | Blood Group Antigens Of Different Types For  |
| Australia                    | 2007252926          | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
|                              |                     |   | Blood Group Antigens Of Different Types For  |
| Brazil                       | PI0709102-8         | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
|                              |                     |   | Blood Group Antigens Of Different Types For  |
| Canada                       | 2643991             | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| China (People's              |                     |   | Blood Group Antigens Of Different Types For  |
| Republic)                    | 200780010334.5      | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| China (People's              |                     |   | Blood Group Antigens Of Different Types For  |
| Republic)                    | 201210279624.2      | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| European Patent              |                     |   | Blood Group Antigens Of Different Types For  |
| Convention                   | 07804873.3          | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| European Patent              |                     |   | Blood Group Antigens Of Different Types For  |
| Convention                   | 11155711.2          | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| European Patent              |                     | 28.3 288.                               | Blood Group Antigens Of Different Types For  |
| Convention                   | 11155714.6          | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| <b>2</b> 9                   | 07204577-2          | 22.242000                               | Blood Group Antigens Of Different Types For  |
| France                       | 07804873.3          | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| C                            | 07004072.2          | 22 85 3007                              | Blood Group Antigens Of Different Types For  |
| Germany                      | 07804873.3          | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| India                        | 3599/KOLNP/2008     | 23-Mar-2007                             | Blood Group Antigens Of Different Types For<br>Diagnostic And Therapeutic Applications |
| iiluia                       | 3377/KOLINF/216/8   | 25-19121-20937                          | Pharmaceutical and Diagnostic Compositions Containing                                  |
| Israel                       | 193827              | 23-Mar-2007                             | at Least Two Blood Group Antigens  |
| Israel                       | 213524              | 23-Mar-2007                             | Method for Removing Blood Group Antigens in Serum                                      |
|                              |                     | *************************************** |  |
| Israel                       | 213523              | 23-Mar-2007                             | Compositions Comprising Blood Group Antigen  |
| taly                         | 07804873.3          | 22 May 2007                             | Blood Group Antigens Of Different Types For<br>Diagnostic And Therapeutic Applications |
| C 190% Å                     | 101604813.3         | 23-Mar-2007                             | Blood Group Antigens Of Different Types For  |
| i<br>Iaman                   | 2009-500966         | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |
| Japan                        | 2007-200700         | [ 25~1ME(~2/8)]                         | Blood Group Antigens Of Different Types For  |
|                              | 2012-226703         | 23-Mar-2007                             | Diagnostic And Therapeutic Applications  |

| <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del> | *************************************** |             | Blood Group Antigens Of Different Types For |
|--|---|-------------|---|
| Mexico   | MX/a/2008/012167                        | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  | 20 2000                                 |             | Blood Group Antigens Of Different Types For |
| Mexico   | MX/a/2011/007258                        | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| Mexico   | MX/a/2011/007259                        | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| New Zealand                                      | 572194                                  | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
| 7794   |   |             | Blood Group Antigens Of Different Types For |
| New Zealand                                      | 596460                                  | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| Philippines                                      | 1-2008-502025                           | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| Singapore  | 200806598-9                             | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  | *                                       |             | Blood Group Antigens Of Different Types For |
| Singapore  | 201102871-9                             | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| Singapore  | 201102872-7                             | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| Spain  | 07804873.3                              | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| Sweden   | 07804873.3                              | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
|  |   |             | Blood Group Antigens Of Different Types For |
| United Kingdom                                   | 07804873.3                              | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
| United States of                                 |   |             | Blood Group Antigens Of Different Types For |
| America  | 11/690616                               | 23-Mar-2007 | Diagnostic And Therapeutic Applications     |
| United States of                                 |   |             | Blood Group Antigens Of Different Types For |
| America  | 13/036446                               | 28-Feb-2011 | Diagnostic And Therapeutic Applications     |

66594512v.1