

| |
|--------------------------------------|
| PATENT ASSIGNMENT COVER SHEET |
|--------------------------------------|

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6809026

| | |
|---|--|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| GENUS PLC | 04/16/2021 |
| RECEIVING PARTY DATA | |
| Name: | ABS GLOBAL, INC. |
| Street Address: | 1525 RIVER ROAD |
| City: | DEFOREST |
| State/Country: | WISCONSIN |
| Postal Code: | 53532 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15743893 |
| CORRESPONDENCE DATA | |
| Fax Number: | (608)258-4258 |
| <i>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.</i> | |
| Phone: | 608-257-5035 |
| Email: | ipdocketing@foley.com, jalee@foley.com |
| Correspondent Name: | JANET LEE |
| Address Line 1: | FOLEY & LARDNER LLP |
| Address Line 2: | 3000 K STREET, N.W., SUITE 600 |
| Address Line 4: | WASHINGTON, D.C. 20007 |
| ATTORNEY DOCKET NUMBER: | 102726-0169 |
| NAME OF SUBMITTER: | JANET LEE |
| SIGNATURE: | /Janet Lee/ |
| DATE SIGNED: | 07/13/2021 |
| Total Attachments: 3 | |
| source=2021-04-14_Assignment_Genus_PLC_to_ABS_Global_Inc-EXECUTED#page1.tif | |
| source=2021-04-14_Assignment_Genus_PLC_to_ABS_Global_Inc-EXECUTED#page2.tif | |
| source=2021-04-14_Assignment_Genus_PLC_to_ABS_Global_Inc-EXECUTED#page3.tif | |

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, **Genus Plc**, an English corporation organized and existing under and by virtue of the laws of the countries of England & Wales, UK, and having an office and place of business at Matrix House, Basing View, Basingstoke, Hampshire, RG21 4DZ, UK, ("ASSIGNOR"), has sold, assigned, and transferred and does hereby sell, assign, and transfer to **ABS Global, Inc.**, a Delaware business corporation having a place of business at 1525 River Road, DeForest, WI 53532, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following applications and Letters Patents ("PATENT RIGHTS"):

| Atty Docket No. | Ctry | Application No. | Title | Filing Date |
|------------------------|-------------|------------------------|---|--------------------|
| AB-1-2015-US1 | US | 62/198,455 | TRANSITION COW INDEX | 7/29/2015 |
| AB-1-2015-US2 | US | 15/224,336 | TRANSITION COW INDEX | 7/29/2016 |
| AB-1-2015-US3 | US | 16/445,832 | TRANSITION COW INDEX | 06/19/2019 |
| AB-3-2014-US1 | US | 62/080145 | CROSS-BREEDING DAIRY CATTLE | 11/14/2014 |
| AB-3-2014-US2 | US | 62/106151 | | 01/21/2015 |
| AB-3-2014-US3 | US | 15/169459 | HYBRID DAIRY CATTLE AND SYSTEMS FOR MAXIMIZING HYBRID ADVANTAGE | 11/13/2015 |
| AB-3-2014-US4 | US | 16/189603 | HYBRID DAIRY CATTLE AND SYSTEMS FOR MAXIMIZING HYBRID ADVANTAGE | 11/13/2015 |
| AB-3-2014-US5 | US | 16/189658 | HYBRID DAIRY CATTLE AND SYSTEMS FOR MAXIMIZING HYBRID ADVANTAGE | 11/13/2015 |
| AB-3-2014-US6 | US | 16/201392 | HYBRID DAIRY CATTLE AND SYSTEMS FOR MAXIMIZING | 11/13/2015 |

Assign. Genus Plc to ABS Global, Inc.

| | | | | |
|----------------|----|-----------|--|------------|
| | | | HYBRID ADVANTAGE | |
| GS-6-2017-US1 | US | 62/553771 | METHODS AND SYSTEMS FOR ASSESSING AND/OR QUANTIFYING SPERM CELL SUBPOPULATIONS BEARING A SPECIFIC GENETIC SIGNATURE | 09/01/2017 |
| GS-6-2017-US2 | US | 16/121077 | METHODS AND SYSTEMS FOR ASSESSING AND/OR QUANTIFYING SPERM CELL SUBPOPULATIONS BEARING A SPECIFIC GENETIC SIGNATURE | 09/04/2018 |
| GS-6-2017-US3 | US | 17/178806 | METHODS AND SYSTEMS FOR ASSESSING AND/OR QUANTIFYING SPERM CELL SUBPOPULATIONS BEARING A SPECIFIC GENETIC SIGNATURE | 02/18/2021 |
| GS-23-2020-US1 | US | 63/092299 | PORCINE SEXED SEMEN AND METHODS OF USE | 10/15/2020 |
| IV-1-2015-US1 | US | 62/192544 | CRYOPRESERVING UNGULATE EMBRYOS | 07/15/2015 |
| IV-1-2015-US2 | US | 15/743893 | CRYOPRESERVING UNGULATE EMBRYOS | 07/13/2016 |

and;

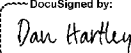
2. The entire worldwide right, title, and interest in and to:
(a) the PATENT RIGHTS, including any right of priority; (b) and provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) and patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

ASSIGNOR represents that ASSIGNOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the ASSIGNOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Assign. Genus Plc to ABS Global, Inc.

Duly Authorized Representative of ASSIGNOR

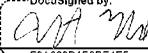
Date of Signature

DocuSigned by:

1E3304E578C4F1...
Name Dan Hartley
Title General Counsel and Corporate Secretary
Genus Plc
Matrix House, Basing View,
Basingstoke, Hampshire
RG21 4DZ, UK

16-Apr-2021 | 3:24:45 AM PDT

Duly Authorized Representative of ASSIGNEE

Date of Signature

DocuSigned by:

F0A020B7E8B54F5...
Name Nathan Zwald
Title President
ABS Global, Inc.
1525 River Road
DeForest, WI 53532
USA

15-Apr-2021 | 8:51:21 AM PDT