

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5965748

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GANGPU LEE	01/15/2020
GENPING XU	01/15/2020
ZHEN LUO	01/15/2020
SHENJIANG HE	01/16/2020
WEIBO ZHANG	01/15/2020
WENJUN YE	01/15/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMAX LIVESTOCK TECHNOLOGY (JIANGSU) CO., LTD.
<b>Street Address:</b>	1189 FAZHAN AVENUE, HAIMEN NEW PORT DISTRICT
<b>City:</b>	JIANGSU
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16790802
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)739-3001
<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>	
<b>Phone:</b>	2027393000
<b>Email:</b>	patents@morganlewis.com, kathy.casavecchia@morganlewis.com
<b>Correspondent Name:</b>	SHAOBIN ZHU
<b>Address Line 1:</b>	MORGAN, LEWIS & BOCKIUS LLP
<b>Address Line 2:</b>	1111 PENNSYLVANIA AVENUE, NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	124247-5001
<b>NAME OF SUBMITTER:</b>	ZHENG LI
<b>SIGNATURE:</b>	/Zheng Li/
<b>DATE SIGNED:</b>	02/14/2020
<b>Total Attachments: 4</b>	

source=124247-5001\_CombDecAssign#page1.tif

source=124247-5001\_CombDecAssign#page2.tif

source=124247-5001\_CombDecAssign#page3.tif

source=124247-5001\_CombDecAssign#page4.tif

**ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION**

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of the invention entitled:

**METHODS, APPARATUS, AND SYSTEMS FOR MANAGING OBJECTS**

as claimed in United States Application No. \_\_\_\_\_ filed on \_\_\_\_\_, attached hereto, and claimed in Chinese Patent Application No. 201910142215.X, filed on February 26, 2019 and attached hereto; and

WHEREAS, **COMAX LIVESTOCK TECHNOLOGY (JIANGSU) CO.,LTD.**

a corporation of P. R. China, whose post office address is 1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application and the PCT International application and all applications to be filed based on the PCT International application and Letters Patents which may be granted in those applications;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_ (if any), and the application for United States Letters Patent and the PCT International application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of the application for United States Letters Patent and/or the PCT International application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (U.S. Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified U.S. application;

(2) the above-identified U.S. application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.


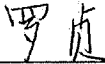
As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

**Authorization To Permit Access To Application by Participating Offices:**

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

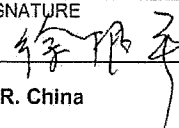
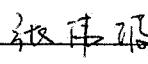
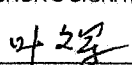
1. FULL NAME OF SOLE OR FIRST ASSIGNOR <b>Gangpu LEE</b>	ASSIGNOR'S SIGNATURE 	DATE <i>2020.01.15</i>
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
2. FULL NAME OF SECOND ASSIGNOR <b>Genping XU</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
3. FULL NAME OF THIRD ASSIGNOR <b>Zhen LUO</b>	ASSIGNOR'S SIGNATURE 	DATE <i>2020.01.15</i>
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
4. FULL NAME OF FOURTH ASSIGNOR <b>Shenjiang HE</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
5. FULL NAME OF FOURTH ASSIGNOR <b>Weibo ZHANG</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
6. FULL NAME OF FOURTH ASSIGNOR <b>Wenjun YE</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>

**Authorization To Permit Access To Application by Participating Offices:**

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

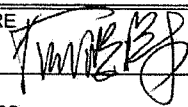
1. FULL NAME OF SOLE OR FIRST ASSIGNOR <b>Gangpu LEE</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
2. FULL NAME OF SECOND ASSIGNOR <b>Genping XU</b>	ASSIGNOR'S SIGNATURE 	DATE <b>2020.1.15</b>
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
3. FULL NAME OF THIRD ASSIGNOR <b>Zhen LUO</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
4. FULL NAME OF FOURTH ASSIGNOR <b>Shenjiang HE</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
5. FULL NAME OF FOURTH ASSIGNOR <b>Weibo ZHANG</b>	ASSIGNOR'S SIGNATURE 	DATE <b>2020.1.15</b>
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
6. FULL NAME OF FOURTH ASSIGNOR <b>Wenjun YE</b>	ASSIGNOR'S SIGNATURE 	DATE <b>2020.1.15</b>
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>

**Authorization To Permit Access To Application by Participating Offices:**

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR <b>Gangpu LEE</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
2. FULL NAME OF SECOND ASSIGNOR <b>Genping XU</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
3. FULL NAME OF THIRD ASSIGNOR <b>Zhen LUO</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
4. FULL NAME OF FOURTH ASSIGNOR <b>Shenjiang HE</b>	ASSIGNOR'S SIGNATURE 	DATE <b>2020.1.16</b>
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
5. FULL NAME OF FOURTH ASSIGNOR <b>Weibo ZHANG</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>
6. FULL NAME OF FOURTH ASSIGNOR <b>Wenjun YE</b>	ASSIGNOR'S SIGNATURE	DATE
MAILING ADDRESS <b>1189 Fazhan Avenue, Haimen New Port District, Jiangsu, P. R. China</b>		RESIDENCE <b>Jiangsu, China</b>