

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI100347

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
Workhorse Group, Inc.	03/15/2024
Workhorse Technologies, Inc.	03/15/2024
Workhorse Motor Works, Inc.	03/15/2024
Workhorse Properties Inc.	03/15/2024
Horsefly Inc.	03/15/2024
ESG Logistics Corp.	03/15/2024
Stables & Stalls LLC	03/15/2024
RouteHorse LLC	03/15/2024
Stables & Stalls Real Estate I LLC	03/15/2024
RECEIVING PARTY DATA	
Company Name:	Horsepower Management LLC
Street Address:	17 State Street
Internal Address:	Suite 2130
City:	New York
State/Country:	NEW YORK
Postal Code:	10004
PROPERTY NUMBERS Total: 64	
Property Type	Number
Application Number:	17726021
Application Number:	18238838
Application Number:	17223589
Application Number:	17725955
Application Number:	17725990
Application Number:	29829846
Application Number:	17847895
Application Number:	17862648
Application Number:	17967224
Application Number:	17963730
Application Number:	17978293

Property Type	Number
Application Number:	18106179
Application Number:	18114030
Application Number:	18126013
Application Number:	18125805
Application Number:	63517043
Application Number:	18321737
Application Number:	18321744
Application Number:	18462656
Application Number:	18380910
Application Number:	18380888
Application Number:	18378330
Application Number:	18395446
Patent Number:	D945327
Patent Number:	7717464
Patent Number:	7559578
Patent Number:	8541915
Patent Number:	9481256
Patent Number:	9915956
Patent Number:	11086338
Patent Number:	11538347
Patent Number:	11220297
Patent Number:	11400982
Patent Number:	11338859
Patent Number:	11472485
Patent Number:	11383715
Patent Number:	11591032
Patent Number:	11440456
Patent Number:	11485215
Patent Number:	11440590
Patent Number:	11787563
Patent Number:	11498701
Patent Number:	11254446
Patent Number:	11485518
Patent Number:	11787564
Patent Number:	11180263
Patent Number:	11332264
Patent Number:	11520357
Patent Number:	11299208

Property Type	Number
Patent Number:	11370561
Patent Number:	11383859
Patent Number:	11472484
Patent Number:	11479301
Patent Number:	11407527
Patent Number:	11613310
Patent Number:	11472572
Patent Number:	11782457
Patent Number:	11572102
Patent Number:	11572004
Patent Number:	11603219
Patent Number:	11654970
Patent Number:	11654971
Patent Number:	11820533
Patent Number:	11753078

CORRESPONDENCE DATA

Fax Number:

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: 2155695619

Email: pecsenye@blankrome.com

Correspondent Name: Timothy D. Pecsénye

Address Line 1: One Logan Square, 8th Floor

Address Line 4: Philadelphia, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	164136-00001
NAME OF SUBMITTER:	KATHERINE HOLLENBECK
SIGNATURE:	KATHERINE HOLLENBECK
DATE SIGNED:	03/18/2024
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 33

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, restated amended and restated, supplemented or otherwise modified from time to time, this “Intellectual Property Security Agreement”) dated March 15, 2024, is made by Workhorse Group Inc., a Nevada corporation (“WGI”), Workhorse Technologies Inc., an Ohio corporation (“WTI”), Workhorse Motor Works Inc., an Indiana corporation (“WMW”), Workhorse Properties Inc., an Ohio corporation (“WPI”), Horsefly Inc., a Nevada corporation (“Horsefly”), Stables & Stalls LLC, a Delaware limited liability company (“Stables”), Stables & Stalls Real Estate I LLC, a Delaware limited liability company (“Stables Real Estate”), RouteHorse LLC, a Delaware limited liability company (“RouteHorse”) and ESG Logistics Corp., an Ohio corporation (“ESG”, and together with WGI, WTI, WMW, WPI, Horsefly, Stables, Stables Real Estate and RouteHorse, collectively, the “Grantors” and each, individually, a “Grantor”) in favor of Horsepower Management LLC (“Horsepower Management”), solely in its capacity as Collateral Agent for the Secured Parties. Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Securities Purchase Agreement and the Security Agreement referred to therein.

WHEREAS, WGI, the guarantors from time to time party thereto, the Buyers from time to time party thereto and Horsepower Management, in its capacity as Collateral Agent, have entered into that certain Securities Purchase Agreement, dated March 15, 2024 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Securities Purchase Agreement”) pursuant to which the WGI issued a certain series of senior secured convertible notes in an aggregate principal amount of \$139,000,000 (together with any additional senior secured convertible notes issued pursuant to the terms of the Securities Purchase Agreement and any notes issued in replacement or substitution therefor or for such initial senior secured convertible notes, in each case, in accordance with the terms of the Securities Purchase Agreement, as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Notes”).

WHEREAS, in connection with the Securities Purchase Agreement, each Grantor has entered into that certain Security Agreement dated March 15, 2024 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”) as a condition precedent to the issuance of the Notes under the Securities Purchase Agreement.

WHEREAS, under the terms of the Security Agreement, each Grantor has granted to the Collateral Agent, for its benefit and the ratable benefit of the other Secured Parties, a security interest in, among other property, certain intellectual property of the Grantor, and has agreed as a condition thereof to execute this Intellectual Property Security Agreement for recording with the U.S. Patent and Trademark Office and/or the United States Copyright Office, as applicable.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor agrees as follows:

SECTION 1. Grant of Security. Grantor hereby grants to the Collateral Agent, for its benefit and the ratable benefit of the Secured Parties, a security interest in all of Grantor’s right, title and interest in and to the following, in each case to the extent not Excluded Property (the “Collateral”):

(a) Patents of such Grantor listed on Schedule A attached hereto, and all proceeds of any and all of the foregoing;

(b) Trademarks of such Grantor listed on Schedule A attached hereto (in no event shall Collateral include any application for registration of a trademark filed with the United States Patent and Trademark Office on an intent-to-use basis until such time (if any) as a statement of use or amendment to allege use is accepted by the United States Patent and Trademark Office), all goodwill associated with such Trademarks, and all proceeds of any and all of the foregoing; and

(c) Copyrights of such Grantor listed on Schedule A attached hereto, and all proceeds of any and all of the foregoing.

SECTION 2. Recordation. This Intellectual Property Security Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office and/or the United States Copyright Office, as applicable. The Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents, and/or the Commissioner for Trademarks, as applicable, record this Intellectual Property Security Agreement.

SECTION 3. Execution in Counterparts; Electronic Signatures. This Intellectual Property Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. The delivery of a copy of an executed counterpart of a signature page to this Intellectual Property Security Agreement by telecopier, pdf, or other electronic means (including by email) shall be effective as delivery of a manually executed counterpart of this Intellectual Property Security Agreement.

SECTION 4. Grants, Rights and Remedies. This Intellectual Property Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Intellectual Property Security Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 5. Governing Law. This Intellectual Property Security Agreement shall be governed by, and construed in accordance with, the laws of the State of Delaware (without regard to the conflicts of laws provisions thereof).

SECTION 6. Severability. In case any one or more of the provisions contained in this Intellectual Property Security Agreement should be held invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein and in the Security Agreement shall not in any way be affected or impaired thereby (it being understood that the invalidity of a particular provision in a particular jurisdiction shall not in and of itself affect the validity of such provision in any other jurisdiction). The parties hereto shall endeavor in good-faith negotiations to replace the invalid, illegal or unenforceable provisions with valid provisions the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.

SECTION 7. Concerning the Collateral Agent. Horsepower Management LLC is acting under this Intellectual Property Security Agreement solely in its capacity as Collateral Agent under the

Securities Purchase Agreement and not in its individual capacity. In acting hereunder, the Collateral Agent shall be entitled to all of the rights, privileges, protections, indemnities and immunities granted to it under the Securities Purchase Agreement, as if such rights, privileges, protections, indemnities and immunities were set forth herein.

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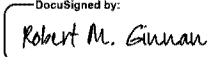
IN WITNESS WHEREOF, each Grantor has caused this Intellectual Property Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

GRANTORS:

WORKHORSE GROUP INC.

By: 
Name: Robert M. Ginnan
Title: Chief Financial Officer

WORKHORSE TECHNOLOGIES INC.
WORKHORSE MOTOR WORKS INC.
WORKHORSE PROPERTIES INC.
HORSEFLY INC.
ESG LOGISTICS CORP.
STABLES & STALLS LLC
ROUTEHORSE LLC
STABLES & STALLS REAL ESTATE I LLC

By: 
Name: Robert M. Ginnan
Title: Treasurer


SCHEDULE A

TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

1. REGISTERED COPYRIGHTS AND COPYRIGHT APPLICATIONS
None.

2. REGISTERED TRADEMARKS AND TRADEMARK APPLICATIONS

Mark	Country	Owner	Appln. No.	Appln. Date	Reg. No.	Reg. Date	Class	Goods/ Services	Notes
NOTHING OUTWORKS A WORKHORSE	Canada	Workhorse Group Inc.	1053053	3/30/2000	601870	2/11/2004	12, 28	Chassis, bodies and parts thereof for delivery trucks, recreational land vehicles, buses and other specialty motorized vehicles, namely, auto transport trucks, concrete mixer trucks, dump trucks, garbage hauler trucks, oil-field trucks, stake and platform trucks, tank trucks, wrecker and tow trucks and scissors trucks, but specifically excluding utility cars for turf maintenance for use at golf courses, country clubs, municipalities, building complexes and large scale industrial complexes	
WORKHORSE CUSTOM CHASSIS	Canada	Workhorse Group Inc.	1053052	3/30/2000	601775	2/10/2004	12, 28	Chassis, bodies and parts thereof for delivery trucks, recreational land vehicles, buses and other specialty motorized vehicles, namely, auto transport trucks, concrete mixer trucks, dump trucks, garbage hauler trucks, oil-field trucks, stake and platform trucks, tank trucks, wrecker and tow trucks and scissors trucks, but specifically excluding utility cars for turf maintenance for use at golf courses, country clubs, municipalities, building complexes and large scale industrial complexes	
Workhorse UFO and Logo	Canada	Workhorse Group Inc.	1328215	12/14/2006	757840	1/26/2010	12	Chassis and bodies for recreational vehicles	

WORKHORSE	Canada	Workhorse Group Inc.	1468395	2/4/2010	783257	11/23/2010	12	Chassis, bodies, and parts thereof, for recreational land vehicles, buses and trucks	
WORKHORSE	United States	Workhorse Group Inc.	78571788	2/21/2005	3214777	3/6/2007	12	Chassis, bodies, and parts thereof, for recreational land vehicles, buses and trucks	
HORSEFLY	United States	Workhorse Group, Inc.	87770725	1/25/2018	6037625	4/21/2020	12	Package delivery systems consisting primarily of civilian drones	
HORSEFLY	Canada	Workhorse Group Inc.	1909131	7/12/2018	TMA1122760	3/11/2022	12	Package delivery systems consisting primarily of civilian drones	
HORSEFLY	China P.R.	Workhorse Group Inc.	32402121	7/23/2018	32402121	4/21/2019	12	Civilian drones	
HORSEFLY	European Union	Workhorse Group Inc.	917930054	7/13/2018	917930054	11/27/2018	12, 39	Package delivery systems consisting primarily of civilian drones; drones Vehicle leasing services; leasing of land vehicles (delivery trucks); leasing of drones.	
HORSEFLY	Mexico	Workhorse Group Inc.	1.19852E+11	7/16/2018	1983272	3/26/2019	12	Package delivery systems consisting primarily of civilian drones	
	United States	Workhorse Group Inc.	88943281	6/2/2020	6255417	1/26/2021	12	Package delivery systems comprised of vehicles, drones, remote controllers for drones and related operational software, all sold as a unit; drones; helicopters; trucks; vans; aircrafts	
WORKHORSE	United States	Workhorse Group Inc.	88943288	6/2/2020	6255418	1/26/2021	12	Package delivery systems comprised of vehicles, drones, remote controllers for drones and related operational software, all sold as a unit; drones; helicopters; trucks; vans; aircrafts	
WORKHORSE	Mexico	Workhorse Group, Inc.	2418508	9/9/2020	2170465	11/10/2020	12	Vehicles and drones that are part of delivery package systems, vehicles, drones, helicopters, trucks, vans and aircrafts	

SQUADRON	United States	Workhorse Group Inc.	97839633	3/15/2023	-	-	9, 42	Downloadable computer software and downloadable mobile applications for use in managing the delivery of packages; downloadable computer software and downloadable mobile applications for use in managing, tracking, monitoring, providing instructions for, displaying real-time videos of, and providing information pertaining to the delivery of packages via unmanned aerial vehicles (uavs) and motor vehicles Providing temporary use of non-downloadable cloud-based software for use in managing the delivery of packages; providing temporary use of non-downloadable cloud-based software for use in managing, tracking, monitoring, providing instructions for, displaying real-time videos of, and providing information pertaining to the delivery of packages via unmanned aerial vehicles (uavs) and motor vehicles; software as a service (saas) services featuring software for use in managing the delivery of packages; software as a service (saas) services featuring software for use in managing, tracking, monitoring, providing instructions for, displaying real-time videos of, and providing information pertaining to the delivery of packages via unmanned aerial vehicles (uavs) and motor vehicles; providing a website featuring online non-downloadable software for use in managing the delivery of packages; providing a website featuring online non-downloadable software for use in managing, tracking, monitoring, providing instructions for, displaying real-time videos of, and providing information pertaining to the delivery of packages via unmanned aerial vehicles (uavs) and motor vehicles	
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STABLES & STALLS	United States	Workhorse Group Inc.	98043803	6/15/2023	-	-	9, 37, 39	Electrical apparatus, namely, charging stations for charging electric vehicles	
STABLES BY WORKHORSE	United States	Workhorse Group Inc.	98043802	6/15/2023	-	-	9, 37, 39	Fleet management services in the nature of maintenance and repair of fleet vehicles; providing information regarding the installation, maintenance and repair of fleet vehicles; fleet management services in the nature of consultation in the field of maintenance and repair of fleet vehicles; charging station services for electric vehicles	
								Electrical apparatus, namely, charging stations for charging electric vehicles	
								Fleet management services in the nature of maintenance and repair of fleet vehicles; providing information regarding the installation, maintenance and repair of fleet vehicles; fleet management services in the nature of consultation in the field of maintenance and repair of fleet vehicles; charging station services for electric vehicles	
								Rental of fleet vehicles; fleet rental services	

3. REGISTERED PATENTS AND PATENT APPLICATIONS

Matter No.	Country	Serial Number	Application Date	Patent Number	Issue/ Grant Date	Expiration Date	Title	Foreign Filing Description	Assignee
WoR08- 00087	Mexico	MX/a/2022/003990	03/31/2022				LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES	Mexico utility patent application filing pending examination focused on the	Workhorse Group Inc.

							overall frame structure of an electric delivery truck.	
WOR08-00108	US	17/726,021	04/21/2022		Published		UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS	Workhorse Group Inc.
WOR08-00005	US	29/719,591	01/06/2020	D945,327	03/08/2022	01/06/2035	TRUCK	Workhorse Group Inc.
WOR08-00006	Canada	2523653	10/17/2005	2523653	12/22/2009	10/17/2025	VEHICLE CHASSIS ASSEMBLY	Workhorse Group Inc.
							Canada issued utility patent focused on the overall chassis assembly of an electric delivery truck.	
WOR08-00007	US	11/252,220	10/17/2005	7,717,464	05/18/2010	09/06/2026	Vehicle Chassis Assembly	Workhorse Group Inc.
WOR08-00008	US	11/252,219	10/17/2005	7,559,578	07/14/2009	09/06/2026	Vehicle Chassis Assembly	Workhorse Group Inc.
WOR08-00011	US	13/283,663	10/28/2011	8,541,915	09/24/2013	12/16/2031	DRIVE MODULE AND MANIFOLD FOR ELECTRIC MOTOR DRIVE ASSEMBLY	Workhorse Group Inc.
WOR08-00012	US	14/606,497	01/27/2015	9,481,256	11/01/2016	05/03/2035	ONBOARD GENERATOR DRIVE SYSTEM FOR ELECTRIC VEHICLES	Workhorse Group Inc.
WOR08-00013	US	14/989,870	01/07/2016	9,915,956	03/13/2018	06/24/2036	PACKAGE DELIVERY BY MEANS OF AN AUTOMATED MULTI-COPTER UAS/UAV DISPATCHED FROM A CONVENTIONAL DELIVERY VEHICLE	Workhorse Group Inc.

WOR08-00020	US	15/915,144	03/08/2018	11,086,338	08/10/2021	01/09/2035	PACKAGE DELIVERY BY MEANS OF AN AUTOMATED MULTI-COPTER UAS/UAV DISPATCHED FROM A CONVENTIONAL DELIVERY VEHICLE		Workhorse Group Inc.
WOR08-00022	Canada	196663	07/03/2020	196663	08/09/2022	07/03/2035	TRUCK	Canada issued design patent focused on the ornamental design features of an electric delivery truck.	Workhorse Group Inc.
WOR08-00023	China	20203035494243	07/06/2020	ZL 2020303594243	12/10/2021	07/05/2030	TRUCK	China issued design patent focused on the ornamental design features of an electric delivery truck.	Workhorse Group Inc.
WOR08-00024	Europe	DM/209437	07/05/2020				TRUCK	Europe issued design patent focused on the ornamental design features of an electric delivery truck.	Workhorse Group Inc.
WOR08-00026	Mexico	MX/f/2020/001485	07/06/2020	64843	07/29/2022	07/13/2045	TRUCK	Mexico issued design patent focused on the ornamental design features of an electric delivery truck.	Workhorse Group Inc.
WOR08-00027	US	16/934,906	07/21/2020	11,538,347	12/27/2022	04/07/2041	UAV DELIVERY CONTROL SYSTEM FOR UAV DELIVERY OF PACKAGES		Workhorse Group Inc.

WOR08-00028	US	17/142,766	01/06/2021	11,220,297	01/11/2022	01/06/2040	LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME		Workhorse Group Inc.
WOR08-00029	US	17/142,785	01/06/2021	11,400,982	08/02/2022	01/06/2040	METHODS OF MAKING MONOCOQUES OF LAND VEHICLES USING MODULAR MOLD SYSTEMS		Workhorse Group Inc.
WOR08-00030	US	17/142,814	01/06/2021	11,338,859	05/24/2022	01/06/2040	LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS AND METHODS THEREOF		Workhorse Group Inc.
WOR08-00031	US	17/745,434	05/16/2022	11,472,485	10/18/2022	05/16/2042	ELECTRIC VEHICLES INCORPORATING FLATBEDS AND METHODS ASSOCIATED THEREWITH		Workhorse Group Inc.
WOR08-00033	US	17/146,369	01/11/2021	11,383,715	07/12/2022	01/10/2040	ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT		Workhorse Group Inc.
WOR08-00039	Canada	3,108,852	02/10/2021				LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	Canada utility patent application under examination focused on the monocoque design that supports the wheels to permit movement of	Workhorse Group Inc.

								an electric delivery truck.	
WOR08-00040	Europe	21710384.5	03/17/2021		Published	01/06/2041	LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	Europe utility patent application under examination focused on the monocoque design that supports the wheels to permit movement of an electric delivery truck and the method to produce the monocoque from a single mold.	Workhorse Group Inc.
WOR08-00041	Mexico	2021/004992	04/29/2021				LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	Mexico utility patent application under examination focused on the monocoque design that supports the wheels to permit movement of an electric delivery truck.	Workhorse Group Inc.
WOR08-00042	Canada	3,109,410	03/10/2021				METHODS OF MAKING MONOCOQUES OF LAND VEHICLES USING MODULAR MOLD SYSTEMS	Canada utility patent application under examination focused on the method to produce the monocoque design that supports the	Workhorse Group Inc.

								wheels to permit movement of an electric delivery truck from a single mold.	
WOR08-00044	Mexico	2021/004985	04/29/2021				METHODS OF MAKING MONOCOQUES OF LAND VEHICLES USING MODULAR MOLD SYSTEMS	Mexico utility patent application under examination focused on the method to produce the monocoque design that supports the wheels to permit movement of an electric delivery truck from a single mold.	Workhorse Group Inc.
WOR08-00045	Canada	3,110,078	03/12/2021				LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS AND METHODS THEREOF	Canada utility patent application under examination focused on a removable powertrain unit that drives the rotational power to the wheels and includes a cradle that is affixed to the frame structure and enables the powertrain to be removed for an electric delivery truck.	Workhorse Group Inc.

WOR08-00046	Europe	21710382.9	03/17/2021		Published		LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS AND METHODS THEREOF	Canada utility patent application under examination focused on a removable powertrain unit that drives the rotational power to the wheels and includes a cradle that is affixed to the frame structure and enables the powertrain to be removed for an electric delivery truck.	Workhorse Group Inc.
WOR08-00047	Mexico	MX/a/2021/004988	04/29/2021				LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS AND METHODS THEREOF	Mexico utility patent application pending examination focused on a removable powertrain unit that drives the rotational power to the wheels and includes a cradle that is affixed to the frame structure and enables the powertrain to be removed for an electric delivery truck.	Workhorse Group Inc.
WOR08-00048	Canada	3,125,833	02/11/2021				ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT	Canada utility patent application under examination focused on how the electric delivery truck is automatically	Workhorse Group Inc.

							controlled in real-time based on the power availability in order to optimize power usage.	
WOR08-00049	Europe	21710383.7	03/17/2021		Published		ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT Europe utility patent application under examination focused on how the electric delivery truck is automatically controlled in real-time based on the power availability in order to optimize power usage.	Workhorse Group Inc.
WOR08-00050	Mexico	MX/a/2021/004989	04/29/2021				ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT Mexico utility patent application pending examination focused on how the electric delivery truck is automatically controlled in real-time based on the power availability in order to optimize power usage.	Workhorse Group Inc.
WOR08-00051	US	17/546,500	12/09/2021	11,591,032	02/28/2023	02/28/2043	LAND VEHICLES INCORPORATING BRAKE SYSTEMS AND METHODS THEREFOR	Workhorse Group Inc.
WOR08-00052	US	17/546,555	12/09/2021	11,440,456	09/13/2022	12/09/2041	LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES	Workhorse Group Inc.

WOR08-00053	US	17/546,593	12/09/2021	11,485,215	11/01/2022	12/09/2041	LAND VEHICLES INCORPORATING ELECTRIC MOTORS AND METHODS THEREOF		Workhorse Group Inc.
WOR08-00054	US	17/546,641	12/09/2021	11,440,590	09/13/2022	12/09/2041	LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS		Workhorse Group Inc.
WOR08-00056	US	18/238,838	08/28/2023				ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR HUB MOTOR CONTROL		Workhorse Group Inc.
WOR08-00058	US	17/223,421	04/06/2021	11,787,563	10/17/2023	12/11/2041	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00059	US	17/223,474	04/06/2021	11,498,701	11/15/2022	04/06/2041	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00060	US	17/223,501	04/06/2021	11,254,446	02/22/2022	04/06/2040	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00061	US	17/223,538	04/06/2021	11,485,518	11/01/2022	04/06/2041	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00062	US	17/223,589	04/06/2021		Published		FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00063	US	17/223,632	04/06/2021	11,787,564	10/17/2023	09/09/2041	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00064	US	17/223,673	04/06/2021	11,180,263	11/23/2021	04/06/2040	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.

WOR08-00065	US	17/223,726	04/06/2021	11,332,264	05/17/2022	04/06/2040	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00068	Canada	3,125,400	07/09/2021				FLYING VEHICLE SYSTEMS AND METHODS	Canada utility patent application that is allowed that focuses in on how UAV is positioned and charges on a nest via a landing structure of the UAV.	Workhorse Group Inc.
WOR08-00069	Europe	21732800.4	06/24/2021		Published		FLYING VEHICLE SYSTEMS AND METHODS	Europe utility patent application currently under examination that focuses on the next of the UAV.	Workhorse Group Inc.
WOR08-00070	Mexico	MX/a/2021/009208	07/29/2021				FLYING VEHICLE SYSTEMS AND METHODS	Mexico utility patent application pending examination that focuses in on how UAV is positioned and charges on a nest via a landing structure of the UAV.	Workhorse Group Inc.
WOR08-00071	Canada	3,125,408	07/09/2021				FLYING VEHICLE SYSTEMS AND METHODS	Canada utility patent application that is allowed that focuses on the arm configuration and support structure of the UAV.	Workhorse Group Inc.

WOR08-00072	Europe	21732799.8	06/22/2021				Published		FLYING VEHICLE SYSTEMS AND METHODS	European utility patent application that focuses on the rotor and support structure of the UAV.	Workhorse Group Inc.
WOR08-00073	Mexico	MX/a/2021/009209	07/29/2021						FLYING VEHICLE SYSTEMS AND METHODS	Mexico utility patent application that focuses on the rotor and support structure of the UAV.	Workhorse Group Inc.
WOR08-00074	Canada	3,128,564	08/17/2021						UAV DELIVERY CONTROL SYSTEM FOR UAV DELIVERY OF PACKAGES	Canada utility patent application currently under examination that automatically adjusts the operation of the UAV to ensure that the UAV has the battery power to reach the return destination after delivery.	Workhorse Group Inc.
WOR08-00075	Europe	21762587	09/08/2021						UAV DELIVERY CONTROL SYSTEM FOR UAV DELIVERY OF PACKAGES	Europe patent application under examination that automatically adjusts the operation of the UAV to ensure the UAV returns to the after delivery.	Workhorse Group Inc.
WOR08-00076	Mexico	MX/a/2021/010385	08/27/2021						UAV DELIVERY CONTROL SYSTEM FOR UAV DELIVERY OF PACKAGES	Mexico utility patent application currently under examination that automatically	Workhorse Group Inc.

							adjusts the operation of the UAV to ensure that the UAV has the battery power to reach the return destination after delivery.	
WOR08-00077	US	17/398,139	08/10/2021	11,520,357	12/06/2022	01/07/2036	PACKAGE DELIVERY BY MEANS OF AN AUTOMATED MULTI-COPTER UAS/UAV DISPATCHED FROM A CONVENTIONAL DELIVERY VEHICLE.	Workhorse Group Inc.
WOR08-00078	US	17/552,718	12/16/2021	11,299,208	04/12/2022	01/06/2040	LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	Workhorse Group Inc.
WOR08-00079	US	17/533,289	11/23/2021	11,370,561	06/28/2022	04/06/2040	FLYING VEHICLE SYSTEMS AND METHODS	Workhorse Group Inc.
WOR08-00081	Canada	3,144,139	12/29/2021		Published		LAND VEHICLES INCORPORATING BRAKE SYSTEMS AND METHODS THEREFOR	Workhorse Group Inc.
							Canada utility patent application under examination that focuses on a braking system with three braking devices that engage a disc with notches for an electric delivery truck.	

WOR08-00082	Europe	22153661.8	01/27/2022		Published		LAND VEHICLES INCORPORATING BRAKE SYSTEMS AND METHODS THEREFOR	Europe utility patent application under examination that focuses on a braking system with three braking devices.	Workhorse Group Inc.
WOR08-00083	Mexico	MX/a/2022/003992	03/31/2022				LAND VEHICLES INCORPORATING BRAKE SYSTEMS AND METHODS THEREFOR	Mexico utility patent application pending examination that focuses on a braking system with three braking devices that engage a disc with notches for an electric delivery truck.	Workhorse Group Inc.
WOR08-00084	PCT	US/2022/014844	02/02/2022		Published		LAND VEHICLES INCORPORATING BRAKE SYSTEMS AND METHODS THEREFOR	PCT application that is currently active for National Phase Entry that focuses on a braking system with three braking devices that engage a disc with notches for an electric delivery truck.	Workhorse Group Inc.
WOR08-00085	Canada	3,144,141	12/29/2021				LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES	Canada utility application currently under examination that focuses on the general configuration of the sidewalls relative to the body and the frame as well as access to a opera window	Workhorse Group Inc.

								of the electric delivery truck.	
WOR08-00086	Europe	22153665.9	01/27/2022		Published		LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES	Europe utility application currently under examination that focuses on the general configuration of the sidewalls relative to the body and the frame as well as access to a opera window of the electric delivery truck.	Workhorse Group Inc.
WOR08-00088	PCT	US/2022/014847	02/02/2022		Published		LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES	PCT Application that that focuses on the general configuration of the sidewalls relative to the body and the frame as well as access to a opera window of the electric delivery truck.	Workhorse Group Inc.
WOR08-00089	Canada	3,144,133	12/29/2021				LAND VEHICLES INCORPORATING ELECTRIC MOTORS AND METHODS THEREOF	Canada utility patent application that is currently under examination that focuses on four electric motors that drive each of the four wheels.	Workhorse Group Inc.

WOR08-00090	Europe	22153666.7	01/27/2022		Published		LAND VEHICLES INCORPORATING ELECTRIC MOTORS AND METHODS THEREOF	Canada utility patent application that is currently under examination that focuses on four electric motors that drive each of the four wheels.	Workhorse Group Inc.
WOR08-00091	Mexico	MX/a/2022/003988	03/31/2022				LAND VEHICLES INCORPORATING ELECTRIC MOTORS AND METHODS THEREOF	Mexico utility patent application pending examination that focuses on four electric motors that drive each of the four wheels.	Workhorse Group Inc.
WOR08-00092	PCT	US/2022/014851	02/02/2022		Published		LAND VEHICLES INCORPORATING ELECTRIC MOTORS AND METHODS THEREOF	PCT Application that is currently open to enter National Phase that focuses on four electric motors that drive each of the four wheels.	Workhorse Group Inc.
WOR08-00093	Canada	3,144,156	12/29/2021		Notice of Allowance		LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS	Canada utility application that is allowed that focuses in on an impact management system with a crash cash that deforms relative to an operator cage for an electric delivery truck.	Workhorse Group Inc.
WOR08-00094	Europe	22153656.1	01/27/2022		Published		LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS	Europe utility application under examination that focuses in on an impact management system with a	Workhorse Group Inc.

								crash cash that deforms for an electric delivery truck.	
WOR08-00095	Mexico	MX/a/2022/003989	03/31/2022				LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS	Mexico utility application pending examination that focuses in on an impact management system with a crash cash that deforms relative to an operator cage for an electric delivery truck.	Workhorse Group Inc.
WOR08-00096	PCT	US/2022/014852	02/02/2022		Published		LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS	PCT application that is open for National Phase entry that focuses in on an impact management system with a crash cash that deforms relative to an operator cage for an electric delivery truck.	Workhorse Group Inc.
WOR08-00099	US	17/676,571	02/21/2022	11,383,859	07/12/2022	04/06/2040	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00101	US	17/716,687	04/08/2022	11,472,484	10/18/2022	01/06/2041	LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME		Workhorse Group Inc.

WOR08-00102	US	17/732,850	04/29/2022	11,479,301	10/25/2022	01/06/2041	LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS AND METHODS THEREOF		Workhorse Group Inc.
WOR08-00104	US	17/703,370	03/24/2022	11,407,527	08/09/2022	04/06/2040	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00106	US	17/725,955	04/21/2022		Published		UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS		Workhorse Group Inc.
WOR08-00107	US	17/725,990	04/21/2022		Published		UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS		Workhorse Group Inc.
WOR08-00109	Mexico	MX/f/2022/000946	03/31/2022	65851	12/26/2022		TRUCK	Mexico design application pending examination for the ornamental features of an electric delivery truck.	Workhorse Group Inc.
WOR08-00110	US	17/962,143	10/07/2022	11,613,310	3/28/2023	03/28/2043	ELECTRIC VEHICLES INCORPORATING FLATBEDS AND METHODS ASSOCIATED THEREWITH		Workhorse Group Inc.
WOR08-00111	US	17/725,926	04/21/2022	11,472,572	10/18/2022	04/06/2041	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00112	US	29/829,846	03/08/2022				TRUCK		Workhorse Group Inc.

WOR08-00113	US	17/887,721	08/15/2022	11,782,457	10/10/2023	01/07/2036	PACKAGE DELIVERY BY MEANS OF AN AUTOMATED MULTI-COPTER UAS/UAV DISPATCHED FROM A CONVENTIONAL DELIVERY VEHICLE		Workhorse Group Inc.
WOR08-00114	US	17/847,895	06/23/2022	Track 1 filing.	Published		METHODS OF MAKING MONOCOQUES OF LAND VEHICLES USING MODULAR MOLD SYSTEMS		Workhorse Group Inc.
WOR08-00115	US	17/884,526	08/09/2022	11,572,102	02/07/2023	12/09/2041	LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS		Workhorse Group Inc.
WOR08-00117	US	17/884,529	08/09/2022	11,572,004	02/07/2023	12/09/2041	LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES		Workhorse Group Inc.
WOR08-00118	US	17/862,648	07/12/2022	Track 1 filing.	Published		ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT		Workhorse Group Inc.
WOR08-00119	China	202180016358.1	08/23/2022		Published		LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	China utility patent application under examination focused on the monocogue design that supports the wheels to permit movement of	Workhorse Group Inc.

								an electric delivery truck.	
WOR08-00120	China	202180016387.8	08/23/2022		Published		METHODS OF MAKING MONOCOQUES OF LAND VEHICLES USING MODULAR MOLD SYSTEMS	China utility patent application under examination focused on the method to produce the monocoque design that supports the wheels to permit movement of an electric delivery truck from a single mold.	Workhorse Group Inc.
WOR08-00121	China	202180020435.0	01/11/2021		Published		ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT	China application pending examination focused on how the electric delivery truck is automatically controlled in real-time based on the power availability.	Workhorse Group Inc.
WOR08-00122	Japan	2022-541654	07/05/2022				LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	Japan utility patent application under examination focused on the monocoque design that supports the wheels to permit movement of	Workhorse Group Inc.

								an electric delivery truck.	
WOR08-00123	Japan	2022-541658	08/26/2022				METHODS OF MAKING MONOCOQUES OF LAND VEHICLES USING MODULAR MOLD SYSTEMS	Japan utility patent application under examination focused on the method to produce the monocoque design that supports the wheels to permit movement of an electric delivery truck from a single mold.	Workhorse Group Inc.
WOR08-00124	Japan	2022-541605	08/31/2022				LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS, POWERTRAIN UNITS, AND METHODS THEREFOR	Japan utility patent application pending examination focused on a removable powertrain unit that drives the rotational power to the wheels and includes a cradle that is affixed to the frame structure and enables the powertrain to be removed for an electric delivery truck.	Workhorse Group Inc.

WOR08-00125	Japan	2022-542184	09/02/2022		Published		ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR ELECTRIC POWER MANAGEMENT	Japan application pending examination focused on how the electric delivery truck is automatically controlled in real-time based on the power availability.	Workhorse Group Inc.
WOR08-00126	China	202180016365.1	08/23/2022		Published		LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS, POWERTRAIN UNITS, AND METHODS THEREFOR	China utility patent application pending examination focused on a removable powertrain unit that drives the rotational power to the wheels and includes a cradle that is affixed to the frame structure and enables the powertrain to be removed for an electric delivery truck.	Workhorse Group Inc.
WOR08-00127	US	17/864,972	07/14/2022	11,603,219	3/14/2023	03/14/2043	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00133	US	17/967,224	10/17/2022		Published		LAND VEHICLES INCORPORATING ELECTRIC MOTORS AND METHODS THEREOF		Workhorse Group Inc.

WOR08-00135	US	17/956,176	09/29/2022	11,654,970	5/23/2023	05/23/2043	LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS		Workhorse Group Inc.
WOR08-00136	US	17/961,554	10/06/2022	11,654,971	5/23/2023	05/23/2043	LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS, POWERTRAIN UNITS, AND METHODS THEREFOR		Workhorse Group Inc.
WOR08-00137	US	17/963,730	10/11/2022		Notice of Allowance		UAV DELIVERY CONTROL SYSTEM FOR UAV DELIVERY OF PACKAGES		Workhorse Group Inc.
WOR08-00138	Canada	3178524	09/29/2022				ELECTRIC VEHICLES INCORPORATING FLATBEDS AND METHODS ASSOCIATED THEREWITH	Canada utility patent application pending examination that focuses on a electric utility flatbed truck that includes a flatbed and a utility cabinet.	Workhorse Group Inc.
WOR08-00139	US	17/982,914	11/08/2022	11,820,533	11/21/2023	TBD	FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00140	US	17/978,293	11/01/2022		Published		FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00141	US	18/106,179	02/06/2023		Issue Fee Paid		LAND VEHICLES ADAPTED FOR USE AS ELECTRIC DELIVERY VEHICLES		Workhorse Group Inc.

WOR08-00142	US	18/106,195	02/06/2023	11,753,078	09/12/2023	12/09/2041	LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS		Workhorse Group Inc.
WOR08-00143	US	18/114,030	02/24/2023		Published		FLYING VEHICLE SYSTEMS AND METHODS		Workhorse Group Inc.
WOR08-00144	US	18/126,013	03/24/2023		Issue Fee Paid		LAND VEHICLES INCORPORATING BRAKE SYSTEMS AND METHODS THEREFOR		Workhorse Group Inc.
WOR08-00145	US	18/125,805	03/24/2023		Issue Fee Paid		LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME		Workhorse Group Inc.
WOR08-00147	US	63/517,043	08/01/2023				CHASSIS ASSEMBLIES FOR ELECTRIC VEHICLES		Workhorse Group Inc.
WOR08-00149	PCT	US/2023/018498	04/13/2023		Published		UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS	PCT Application that is active for National Phase entry that focuses on the spool configuration to lower and lift a package delivered by a UAV.	Workhorse Group Inc.
WOR08-00150	PCT	US/2023/018502	04/13/2023		Published		UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS	PCT Application that is active for National Phase entry that focuses on the control system of lowering and raising a hook for package	Workhorse Group Inc.

								delivery by a UAV.	
WOR08-00151	US	18/321,737	05/22/2023		Issue Fee Paid		LAND VEHICLES INCORPORATING MONOCOQUES AND MODULAR MOLD SYSTEMS FOR MAKING THE SAME	Workhorse Group Inc.	
WOR08-00152	US	18/321,744	05/22/2023		Published		LAND VEHICLES INCORPORATING REMOVABLE POWERTRAIN UNITS, POWERTRAIN UNITS, AND METHODS THEREFOR	Workhorse Group Inc.	
WOR08-00153	PCT	US/2023/022426	05/16/2023		Published		ELECTRIC VEHICLES INCORPORATING FLATBEDS AND METHODS ASSOCIATED THEREWITH	Workhorse Group Inc.	PCT Application that is active for National Phase Entry that focuses on a electric utility flatbed truck that includes a flatbed and a utility cabinet.
WOR08-00154	US	18/462,656	09/07/2023		Published		LAND VEHICLES INCORPORATING IMPACT MANAGEMENT SYSTEMS	Workhorse Group Inc.	
WOR08-00155	US	18/380,910	10/17/2023				FLYING VEHICLE SYSTEMS AND METHODS	Workhorse Group Inc.	
WOR08-00156	US	18/380,888	10/17/2023				FLYING VEHICLE SYSTEMS AND METHODS	Workhorse Group Inc.	

WOR08-00157	US	18/378,330	10/10/2023					PACKAGE DELIVERY BY MEANS OF AN AUTOMATED MULTI-COPTER UAS/UAV DISPATCHED FROM A CONVENTIONAL DELIVERY VEHICLE		Workhorse Group Inc.
WOR08-00159	Europe	238081970	05/16/2023					ELECTRIC VEHICLES INCORPORATING FLATBEDS AND METHODS ASSOCIATED THEREWITH	Europe utility patent application pending examination that focuses on an electric utility flatbed truck that includes a flatbed and a utility cabinet.	Workhorse Group Inc.
WOR08-00161	Europe	237889480	04/13/2023					UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS	Europe utility patent application pending examination that is focused on a UAV delivery of a package.	Workhorse Group Inc.
WOR08-00162	Europe	237889498	04/13/2023					UNMANNED AERIAL VEHICLE DELIVERY SYSTEMS	Europe utility patent application pending examination that is focused on the control system that lowers and raises the hook for delivering a package by a UAV.	Workhorse Group Inc.
WOR08-00163	PCT	PCT/US23/37139	11/10/2023					ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR HUB MOTOR CONTROL	PCT Application pending National Phase entry that is focused on the control system	Workhorse Group Inc.

								for individual control of each of four hub motors that drive each wheel of an electric delivery truck.	
WOR08-00164	Europe	238179394	11/10/2023				ELECTRIC DELIVERY TRUCK CONTROL SYSTEM FOR HUB MOTOR CONTROL	Europe utility patent application pending examination that is focused on the control system that lowers and raises the hook for delivering a package by a UAV.	Workhorse Group Inc.
WOR08-00166	US	18/395,446	12/22/2023				UAV DELIVERY CONTROL SYSTEM FOR UAV DELIVERY OF PACKAGES		Workhorse Group Inc.