

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6829628

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SUPPLEMENTAL SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
HYSTER-YALE GROUP, INC.	05/28/2021
NUVERA FUEL CELLS, LLC	05/28/2021

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A., AS ADMINISTRATIVE AGENT
Street Address:	GATEWAY VILLAGE-900 BUILDING NC1-026-06-09 (MACLEGAL)
Internal Address:	900 W TRADE STREET
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 108

Property Type	Number
Patent Number:	10710854
Patent Number:	10329130
Patent Number:	10030676
Patent Number:	10023142
Patent Number:	9981837
Patent Number:	9718661
Patent Number:	10040676
Patent Number:	10246029
Patent Number:	10479663
Patent Number:	10233064
Patent Number:	10562746
Application Number:	15795616
Patent Number:	10618539
Patent Number:	10807849
Patent Number:	10988360
Patent Number:	10927854
Application Number:	16171066
Application Number:	16197893

PATENT

Property Type	Number
Patent Number:	10549972
Application Number:	16277188
Application Number:	16279347
Application Number:	16367050
Patent Number:	10773937
Application Number:	16424297
Application Number:	16424998
Application Number:	16435703
Application Number:	16444822
Application Number:	16500077
Application Number:	16549813
Application Number:	16552849
Application Number:	16656854
Application Number:	16709751
Application Number:	16759977
Application Number:	16773675
Application Number:	16841270
Application Number:	16915611
Application Number:	17009467
Application Number:	17009568
Application Number:	17187276
Application Number:	17188048
Application Number:	17211677
Application Number:	17229440
Patent Number:	D818933
Patent Number:	D819852
Patent Number:	D819853
Patent Number:	D876043
Patent Number:	D919165
Application Number:	29662689
Application Number:	29670814
Patent Number:	D915721
Patent Number:	D907882
Patent Number:	D902699
Application Number:	29693494
Application Number:	29729309
Application Number:	29747925
Application Number:	29747934

Property Type	Number
Application Number:	29747941
Application Number:	29747946
Application Number:	29747948
Application Number:	29747950
Application Number:	63071016
Application Number:	63073680
Application Number:	63086282
Application Number:	63094038
Application Number:	63157162
Application Number:	63169086
Patent Number:	6861169
Patent Number:	6916564
Patent Number:	9806350
Patent Number:	9413016
Patent Number:	8062805
Patent Number:	7955753
Patent Number:	10923745
Patent Number:	10287695
Patent Number:	9531024
Patent Number:	9809890
Patent Number:	9186624
Patent Number:	9567679
Patent Number:	9478822
Patent Number:	10000855
Patent Number:	10468691
Patent Number:	10553886
Patent Number:	10141585
Patent Number:	10396366
Patent Number:	10103395
Patent Number:	10000856
Patent Number:	10305124
Patent Number:	10547066
Patent Number:	10014537
Patent Number:	10260157
Patent Number:	10718056
Patent Number:	10249888
Application Number:	16017677
Patent Number:	10868321

Property Type	Number
Patent Number:	10295122
Application Number:	16042327
Application Number:	16103401
Application Number:	16132834
Application Number:	16133804
Application Number:	16173142
Application Number:	16181965
Application Number:	16249929
Application Number:	16249931
Application Number:	16249932
Application Number:	16249934
Application Number:	16249946
Application Number:	16276814
Application Number:	16508699

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 926772-5

NAME OF SUBMITTER: JEAN PATERSON

SIGNATURE: /jep/

DATE SIGNED: 07/23/2021

Total Attachments: 9

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SUPPLEMENTAL NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Security and Pledge Agreement dated as of May 30, 2017 (as reaffirmed by that Security and Pledge Agreement Reaffirmation, dated as of May 28, 2021 and as further amended, modified, extended, restated, renewed, replaced, or supplemented from time to time, the “Agreement”) among the Grantors party thereto (each a “Grantor” and collectively, the “Grantors”) and Bank of America, N.A., as administrative agent (the “Administrative Agent”) for the Secured Parties referenced therein, the undersigned Grantors have granted a continuing security interest in and continuing lien upon the patents and patent applications shown on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

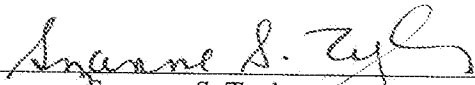
The undersigned Grantors and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (a) may only be terminated in accordance with the terms of the Agreement, (b) is not to be construed as an assignment of any patent or patent application and (c) is more fully set forth in the Agreement, the terms of which are incorporated herein by reference.

This Notice and the agreements, rights and obligations of Grantors and Administrative Agent hereunder shall be governed by, and construed in accordance with, the internal laws of the State of New York, without giving effect to any conflict of law principles thereof.

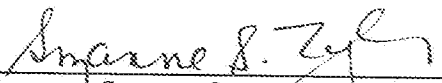
[Remainder of page intentionally left blank; signature pages follow.]

Very truly yours,

HYSTER-YALE GROUP, INC., a Delaware
corporation


By: 
Name: Suzanne S. Taylor
Title: Senior Vice President, General
Counsel and Secretary

NUVERA FUEL CELLS, LLC, a Delaware limited
liability company

By: 
Name: Suzanne S. Taylor
Title: Vice President and Secretary

Acknowledged and Accepted:

BANK OF AMERICA, N.A.,
as Administrative Agent

By: 
Name: Gerund Diamond
Title: Vice President

Signature Page to
Notice of Grant of Security Interest in Patents

PATENT
REEL: 056970 FRAME: 0236

Schedule 1

United States Intellectual Property

Patents:

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
1.	Hyster-Yale Group, Inc.	Reach Truck	14504306	10/01/2014	10710854	07/14/2020
2.	Hyster-Yale Group, Inc.	Lift chain tension relieving devices and methods	14527531	10/29/2014	10329130	06/25/2019
3.	Hyster-Yale Group, Inc.	Hydraulic Fluid Supply Apparatus And Methods	14694105	04/23/2015	10030676	07/24/2018
4.	Hyster-Yale Group, Inc.	Operator Presence System	15004758	01/22/2016	10023142	07/17/2018
5.	Hyster-Yale Group, Inc.	Systems and methods for moving a pallet truck and raising a load	15174716	06/06/2016	9981837	05/29/2018
6.	Hyster-Yale Group, Inc.	Automated load handling for industrial vehicle	15203681	07/06/2016	9718661	08/01/2017
7.	Hyster-Yale Group, Inc.	Vehicle and environmental detection system	15257170	09/06/2016	10040676	08/07/2018
8.	Hyster-Yale Group, Inc.	Accessory arm for lift truck	15259929	09/08/2016	10246029	04/02/2019
9.	Hyster-Yale Group, Inc.	Forklift trucks and masts therefore	15267518	09/16/2016	10479663	11/19/2019
10.	Hyster-Yale Group, Inc.	Automated load handling for industrial vehicle	15629433	06/21/2017	10233064	03/19/2019
11.	Hyster-Yale Group, Inc.	Mast support device	15795131	10/26/2017	10562746	02/18/2020
12.	Hyster-Yale Group, Inc.	Enhanced traction control for industrial vehicle	15795616	10/27/2017		
13.	Hyster-Yale Group, Inc.	Adjustable load wheel	15911046	03/02/2018	10618539	04/14/2020
14.	Hyster-Yale Group, Inc.	Pantograph assembly for lift truck	15970229	05/03/2018	10807849	10/20/2020
15.	Hyster-Yale Group, Inc.	Fork runners	15976147	05/10/2018	10988360	04/27/2021
16.	Hyster-Yale Group, Inc.	Electro-hydraulic work vehicle with energy recovery	16152547	10/05/2018	10927854	02/23/2021
17.	Hyster-Yale Group, Inc.	Multi-electric source vehicle	16171066	10/25/2018		
18.	Hyster-Yale Group, Inc.	Forks for Industrial Vehicles	16197893	11/21/2018		
19.	Hyster-Yale Group, Inc.	Lockable fork systems and methods for industrial vehicles	16197931	11/21/2018	10549972	02/04/2020
20.	Hyster-Yale Group, Inc.	Accessory Arm for a Lift Truck	16277188	02/15/2019		
21.	Hyster-Yale Group, Inc.	Hydrogen Supply method	16279347	02/19/2019		

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
22.	Hyster-Yale Group, Inc.	Modular fork assembly for a material-handling vehicle	16367050	03/27/2019		
23.	Hyster-Yale Group, Inc.	Lift chain tension relieving devices and methods	16410841	05/13/2019	10773937	09/15/2020
24.	Hyster-Yale Group, Inc.	Reciprocating pedals with dual-levered cam for asymmetric reciprocation	16424297	05/28/2019		
25.	Hyster-Yale Group, Inc.	Lift truck having advantageous design elements	16424998	05/29/2019		
26.	Hyster-Yale Group, Inc.	Closed loop control for fuel cell water management	16435703	06/10/2019		
27.	Hyster-Yale Group, Inc.	Gear drive and drive wheel configuration for zero torque steer	16444822	06/18/2019		
28.	Hyster-Yale Group, Inc.	Vehicle sensor systems, components and methods	16500077	10/01/2019		
29.	Hyster-Yale Group, Inc.	Integrated drive and hydraulic actuator unit	16549813	08/23/2019		
30.	Hyster-Yale Group, Inc.	Dynamic stability determination system for lift trucks	16552849	08/27/2019		
31.	Hyster-Yale Group, Inc.	Load wheel designs for pallet entry	16656854	10/18/2019		
32.	Hyster-Yale Group, Inc.	Lift Truck Operator Compartment Door	16709751	12/10/2019		
33.	Hyster-Yale Group, Inc.	Continuously variable transmission control	16759977	04/28/2020		
34.	Hyster-Yale Group, Inc.	Battery Retention Mechanism	16773675	01/27/2020		
35.	Hyster-Yale Group, Inc.	Adjustable load wheel	16841270	04/06/2020		
36.	Hyster-Yale Group, Inc.	Lift truck pallet sensor	16915611	06/29/2020		
37.	Hyster-Yale Group, Inc.	Pantograph assembly for lift truck	17009467	09/01/2020		
38.	Hyster-Yale Group, Inc.	Dynamic stability determination system for lift trucks	17009568	09/01/2020		
39.	Hyster-Yale Group, Inc.	Structural Integrated Sensor	17187276	02/26/2021		
40.	Hyster-Yale Group, Inc.	Fuel-Supply Assembly for Internal Combustion Engine and Method for Assembling the Same	17188048	03/01/2021		
41.	Hyster-Yale Group, Inc.	Fork Runners	17211677	03/24/2021		
42.	Hyster-Yale Group, Inc.	Multi-Electric Source Vehicle	17229440	04/13/2021		

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
43.	Hyster-Yale Group, Inc.	Reach Truck Storage Container	29606596	06/06/2017	D818933	05/29/2018
44.	Hyster-Yale Group, Inc.	Lighting for a Pallet Truck	29626883	11/21/2017	D819852	06/05/2018
45.	Hyster-Yale Group, Inc.	Lighting for a pallet truck	29626888	11/21/2017	D819853	06/05/2018
46.	Hyster-Yale Group, Inc.	Hose header	29646753	05/07/2018	D876043	02/18/2020
47.	Hyster-Yale Group, Inc.	Light enclosure	29659861	08/13/2018	D919165	05/11/2021
48.	Hyster-Yale Group, Inc.	Pallet Truck Tow Hitch	29662689	09/07/2018		
49.	Hyster-Yale Group, Inc.	Tiller Control	29670814	11/20/2018		
50.	Hyster-Yale Group, Inc.	Pallet truck	29683435	03/13/2019	D915721	04/06/2021
51.	Hyster-Yale Group, Inc.	Counterbalance forklift truck	29685948	04/01/2019	D907882	01/12/2021
52.	Hyster-Yale Group, Inc.	Joystick Button Arrangement	29693494	06/03/2019		
53.	Hyster-Yale Group, Inc.	Hose termination bracket	29700007	07/30/2019	D902699	11/24/2020
54.	Hyster-Yale Group, Inc.	Mast Hose Turnarounds	29729309	03/25/2020		
55.	Hyster-Yale Group, Inc.	Display Screen or Portion Thereof With An Animated Graphical User Interface (aka Reach Stacker)	29747925	08/26/2020		
56.	Hyster-Yale Group, Inc.	Display Screen or Portion Thereof With An Animated Graphical User Interface (aka Big Truck)	29747934	08/26/2020		
57.	Hyster-Yale Group, Inc.	Display Screen or Portion Thereof With An Animated Graphical User Interface (aka 4 Twist-Lock)	29747941	08/26/2020		
58.	Hyster-Yale Group, Inc.	Display Screen or Portion Thereof With An Animated Graphical User Interface (aka Stamp Clamped)	29747946	08/26/2020		
59.	Hyster-Yale Group, Inc.	Display Screen or Portion Thereof With An Animated Graphical User Interface (aka 2 Twist-lock)	29747948	08/26/2020		
60.	Hyster-Yale Group, Inc.	Display Screen or Portion Thereof With An Animated Graphical User Interface (aka Stacked Side Twist-lock)	29747950	08/26/2020		

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
61.	Hyster-Yale Group, Inc.	Systems and Methods For Associating An Operator With A Vehicle	63071016	08/27/2020		
62.	Hyster-Yale Group, Inc.	Systems And Methods For Facilitating Compliance With Rules Of The Road	63073680	09/02/2020		
63.	Hyster-Yale Group, Inc.	Payload Center Determination	63086282	10/01/2020		
64.	Hyster-Yale Group, Inc.	High Voltage Cable Clamp	63094038	10/20/2020		
65.	Hyster-Yale Group, Inc.	Sensing Arrangement For Measuring Tilt Angle of Mast in Industrial Vehicle	63157162	03/05/2021		
66.	Hyster-Yale Group, Inc.	Rotating Seat	63169086	03/31/2021		
67.	Nuvera Fuel Cells, Inc.	Cogeneration of power and heat by an integrated fuel cell power system	10141493	05/08/2002	6861169	03/01/2005
68.	Nuvera Fuel Cells, Inc.	High-efficiency fuel cell power system with power generating expander	10335538	12/31/2002	6916564	07/12/2005
69.	Nuvera Fuel Cells, Inc.	Membrane Fuel Cell Countercurrent-Fed With Non-Humidified Air	10583023	05/09/2007	9806350	10/31/2017
70.	Nuvera Fuel Cells, Inc.	Bipolar plates for use in conduction-cooled electrochemical cells	14041527	09/30/2013	9413016	08/09/2016
71.	Nuvera Fuel Cells, LLC	Membrane electrochemical generator	10524040	02/09/2005	8062805	11/22/2011
72.	Nuvera Fuel Cells, LLC	Bipolar unit for fuel cell provided with porous current collectors	11667210	05/07/2007	7955753	06/07/2011
73.	Nuvera Fuel Cells, LLC	Systems and methods for fuel cell gas circulation	12232309	09/15/2008	10923745	02/16/2021
74.	Nuvera Fuel Cells, LLC	Flow structures for use with an electrochemical cell	13916212	06/12/2013	10287695	05/14/2019
75.	Nuvera Fuel Cells, LLC	Distributed Hydrogen Extraction System	13946537	07/19/2013	9531024	12/27/2016
76.	Nuvera Fuel Cells, LLC	Arrangement of flow structures for use in high differential pressure electrochemical cells	13947256	07/22/2013	9809890	11/07/2017
77.	Nuvera Fuel Cells, LLC	Methods of producing and providing purified gas using an electrochemical cell	13972715	08/21/2013	9186624	11/17/2015
78.	Nuvera Fuel Cells, LLC	Electrochemical cell having a cascade seal configuration and hydrogen reclamation	14192006	02/27/2014	9567679	02/14/2017

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
79.	Nuvera Fuel Cells, LLC	Multi-stack electrochemical cell system and method of use	14447052	07/30/2014	9478822	10/25/2016
80.	Nuvera Fuel Cells, LLC	Multi-stack electrochemical compressor system and method for operating	14790045	07/02/2015	10000855	06/19/2018
81.	Nuvera Fuel Cells, LLC	Bipolar plates for use in conduction-cooled electrochemical cells	15203014	07/06/2016	10468691	11/05/2019
82.	Nuvera Fuel Cells, LLC	Generation of oxygen depleted air by a fuel cell system	15208148	07/12/2016	10553886	02/04/2020
83.	Nuvera Fuel Cells, LLC	Multi-component bipolar plate for an electrochemical cell	15232851	08/10/2016	10141585	11/27/2018
84.	Nuvera Fuel Cells, LLC	Bipolar plate having a polymeric coating	15271330	09/21/2016	10396366	08/27/2019
85.	Nuvera Fuel Cells, LLC	Distributed hydrogen extraction system	15353818	11/17/2016	10103395	10/16/2018
86.	Nuvera Fuel Cells, LLC	Electrochemical cell having a cascade seal configuration and hydrogen reclamation	15392445	12/28/2016	10000856	06/19/2018
87.	Nuvera Fuel Cells, LLC	Resilient flow structures for electrochemical cell	15410840	01/20/2017	10305124	05/28/2019
88.	Nuvera Fuel Cells, LLC	Cooling system and method for use with a fuel cell	15692257	08/31/2017	10547066	01/28/2020
89.	Nuvera Fuel Cells, LLC	Dynamic decompression control for high pressure seals	15875458	01/19/2018	10014537	07/03/2018
90.	Nuvera Fuel Cells, LLC	System and method for tuning an electrochemical cell stack	15879049	01/24/2018	10260157	04/16/2019
91.	Nuvera Fuel Cells, LLC	System and method for tuning an electrochemical cell stack	15879066	01/24/2018	10718056	07/21/2020
92.	Nuvera Fuel Cells, LLC	Passive recirculation device	15886908	02/02/2018	10249888	04/02/2019
93.	Nuvera Fuel Cells, LLC	Method for controlling air flow in a fuel cell power system	16017677	06/25/2018		
94.	Nuvera Fuel Cells, LLC	Fuel cell having a modular base active area	16038244	07/18/2018	10868321	12/15/2020
95.	Nuvera Fuel Cells, LLC	Systems and methods of fuel cell stack compression	16042327	07/23/2018		
96.	Nuvera Fuel Cells, LLC	Distributed hydrogen refueling cascade method and system	16102778	08/14/2018	10295122	05/21/2019

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
97.	Nuvera Fuel Cells, LLC	Fuel cell stack with integrated process endplates	16103401	08/14/2018		
98.	Nuvera Fuel Cells, LLC	Distributed hydrogen extraction system	16132834	09/17/2018		
99.	Nuvera Fuel Cells, LLC	Electrochemical stack compression system	16133804	09/18/2018		
100.	Nuvera Fuel Cells, LLC	Fuel cell module arrangement with leak recovery and methods of use	16173142	10/29/2018		
101.	Nuvera Fuel Cells, LLC	Methods and systems for controlling water imbalance in an electrochemical cell	16181965	11/06/2018	10593971	03/17/2020
102.	Nuvera Fuel Cells, LLC	Electrochemical cells with improved fluid flow design	16249929	01/17/2019		
103.	Nuvera Fuel Cells, LLC	Fuel-cell plate and flow structure designs	16249931	01/17/2019		
104.	Nuvera Fuel Cells, LLC	Electrochemical cells with improved fluid flow design	16249932	01/17/2019		
105.	Nuvera Fuel Cells, LLC	Electrochemical cells with improved fluid flow design	16249934	01/17/2019		
106.	Nuvera Fuel Cells, LLC	Cathode flow field distribution for electrochemical cell stacks	16249946	01/17/2019		
107.	Nuvera Fuel Cells, LLC	High-voltage fuel-cell stack	16276814	02/15/2019	10998571	05/04/2021
108.	Nuvera Fuel Cells, LLC	Bipolar plate having a polymeric coating	16508699	07/11/2019	10727501	07/28/2020