

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5586667

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY AGREEMENT

**CONVEYING PARTY DATA**

Name	Execution Date
BERGSTROM INC.	06/21/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	JPMORGAN CHASE BANK, N.A.
<b>Street Address:</b>	10 S. DEARBORN STREET
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60603

**PROPERTY NUMBERS Total: 36**

Property Type	Number
Patent Number:	6038877
Patent Number:	6276161
Patent Number:	6457324
Patent Number:	6681588
Patent Number:	8517087
Patent Number:	8141377
Patent Number:	7454922
Patent Number:	7448227
Patent Number:	8453722
Patent Number:	7591143
Patent Number:	6889762
Patent Number:	9487063
Patent Number:	9840130
Patent Number:	9796239
Patent Number:	9783024
Patent Number:	10006684
Patent Number:	10081226
Patent Number:	9874384
Patent Number:	10205363
Patent Number:	10263488

PATENT

Property Type	Number
Patent Number:	10218239
Application Number:	15034517
Application Number:	15791243
Application Number:	15722860
Application Number:	16133599
Application Number:	15439865
Application Number:	15816993
Application Number:	15065745
Application Number:	15210517
Application Number:	15210541
Application Number:	15256109
Application Number:	15283150
Application Number:	15660734
Application Number:	62537864
Application Number:	62651624
Application Number:	62753823

**CORRESPONDENCE DATA**

Fax Number: (888)829-5817

*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.*

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Email: john.cunningham@wolterskluwer.com

Correspondent Name: CT CORPORATION

Address Line 1: 208 S. LASALLE

Address Line 2: SUITE 814

Address Line 4: CHICAGO, ILLINOIS 60604

**NAME OF SUBMITTER:** GREGORY T. PEALER

**SIGNATURE:** /Gregory T. Pealer/

**DATE SIGNED:** 06/24/2019

**Total Attachments: 8**

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## PATENT COLLATERAL AGREEMENT

This PATENT COLLATERAL AGREEMENT (this "Patent Collateral Agreement") is made as of June 21, 2019, by BERGSTROM INC., an Illinois corporation ("Grantor"), with its principal place of business and mailing address at 2390 Blackhawk Road, Rockford, Illinois 61109, in favor of JPMorgan Chase Bank, N.A., with its mailing address at 10 S. Dearborn Street, Chicago, Illinois 60603, and its successor and assigns ("Secured Party").

WHEREAS, the Grantor holds all right, title and interest in the letter patents, design patents and utility patents listed on the attached Schedule A, which patents are issued or applied for in the United States Patent and Trademark Office (the "Patents");

WHEREAS, the Grantor has entered into a Security Agreement, dated June 21, 2019 (as amended, restated, supplemented, modified or otherwise changed from time to time, the "Security Agreement"), in favor of Secured Party; and

WHEREAS, pursuant to the Security Agreement, the Grantor has granted to the Secured Party, a continuing security interest in all right, title and interest of the Grantor in, to and under the Patents and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the "Collateral"), to secure the payment, performance and observance of the Secured Obligations (as defined in the Security Agreement).

NOW, THEREFORE, as collateral security for the payment, performance and observance of all of the Secured Obligations, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor does hereby grant to the Secured Party, a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

All capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement.

The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Secured Party with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

This Patent Collateral Agreement may be executed in any number of counterparts and by different parties in separate 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. Delivery of an executed counterpart by facsimile or electronic mail shall be equally effective as delivery of an original executed counterpart.

IN WITNESS WHEREOF, the Grantor has caused this Patent Collateral Agreement to be duly executed by its officer thereunto duly authorized as of the date first set forth above.

GRANTOR:

BERGSTROM INC.

By: 

Name: Aaron M. Potter

Title: Chief Financial Officer

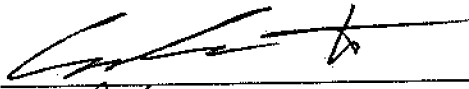
[Signature Page to Patent Collateral Agreement (Bergstrom)]

**PATENT**  
**REEL: 049564 FRAME: 0392**

Accepted and agreed to as of the date and year last above written.

SECURED PARTY:

JPMORGAN CHASE BANK, N.A.

By   
Name Andrew Finemore  
Title Vice President

[Signature Page to Patent Collateral Agreement (Bergstrom)]

**PATENT**  
**REEL: 049564 FRAME: 0393**

SCHEDULE A  
TO  
PATENT COLLATERAL AGREEMENT

**PATENTS**

<b>Grantor</b>	<b>Patent Description</b>	<b>Patent Number</b>	<b>Issue Date</b>
BERGSTROM INC.	Modular low pressure delivery vehicle air conditioning system	<u>6038877</u>	2000-03-21
BERGSTROM INC.	Modular low pressure delivery vehicle air conditioning system	<u>6276161</u>	2001-08-21
BERGSTROM INC.	Modular low-pressure delivery vehicle air conditioning system having an in-cab cool box	<u>6457324</u>	2002-10-01
BERGSTROM INC.	Environmentally controlled sleeping zone and thermal barrier	<u>6681588</u>	2004-01-27
BERGSTROM INC.	Combined heating and air conditioning system for vehicles	<u>8517087</u>	2013-08-27
BERGSTROM INC.	Truck electrified engine-off air conditioning system	<u>8141377</u>	2012-03-27
BERGSTROM INC.	Vehicle air conditioning and heating method providing engine on and engine off operation	<u>7454922</u>	2008-11-25
BERGSTROM INC.	Vehicle air conditioning and heating method providing engine on and engine off operation	<u>7448227</u>	2008-11-11
BERGSTROM INC.	Vehicle air conditioning and heating system providing engine on and engine off operation	<u>8453722</u>	2013-06-04
BERGSTROM INC.	Vehicle air conditioning and heating system providing engine on and engine off operation	<u>7591143</u>	2009-09-22
BERGSTROM INC.	Vehicle air conditioning and heating system providing engine on and engine off operation	<u>6889762</u>	2005-05-10
BERGSTROM INC.	<u>VEHICLE AIR CONDITIONING AND HEATING SYSTEM PROVIDING ENGINE ON</u>	9487063	2016-11-08

	<u>AND ENGINE OFF OPERATION</u>		
BERGSTROM INC.	<u>AIR CONDITIONING SYSTEM UTILIZING THERMAL CAPACITY FROM EXPANSION OF COMPRESSED FLUID</u>	9840130	2017-12-17
BERGSTROM INC.	<u>AIR CONDITIONING SYSTEM UTILIZING HEAT RECOVERY VENTILATION FOR FRESH AIR SUPPLY AND CLIMATE CONTROL</u>	9796239	2017-10-17
BERGSTROM INC.	<u>SYSTEM AND METHOD FOR REMOTELY MANAGING CLIMATE CONTROL SYSTEMS OF A FLEET OF VEHICLES</u>	9783024	2017-10-17
BERGSTROM INC.	<u>AIR CONDITIONING SYSTEM FOR USE IN VEHICLE (Shut Off Valves)</u>	10006684	2018-06-26
BERGSTROM INC.	<u>PARALLEL COMPRESSORS CLIMATE SYSTEM</u>	10081226	2018-09-25
BERGSTROM INC.	<u>REFRIGERATION SYSTEM WITH SUPERHEATING, SUB-COOLING AND REFRIGERANT CHARGE LEVEL CONTROL (Smart Drier)</u>	9874384	2018-01-23
BERGSTROM INC.	<u>LOCATING STRUCTURE BETWEEN PRINTED CIRCUIT BOARD AND INSULATING BOBBIN IN A BRUSHLESS MOTOR</u>	10205363	2019-02-12
BERGSTROM INC.	<u>STATOR WITH INSULATING BOBBIN IN A BRUSHLESS MOTOR</u>	10263488	2019-04-16
BERGSTROM INC.	<u>BRUSHLESS MOTOR HAVING TERMINAL FIXING BLOCKS</u>	10218239	2019-02-26

**PATENT APPLICATIONS**

<b>Grantor</b>	<b>Patent Application</b>	<b>Application Filing Date</b>	<b>Application Serial Number</b>
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BERGSTROM INC.	LOW PROFILE AIR CONDITIONING SYSTEM	11/4/2013	15/034,517
BERGSTROM INC.	VEHICLE VENTILATION MODULE FOR USE WITH A VEHICULAR HVAC SYSTEM	10/23/2017	15/791,243
BERGSTROM INC.	SYSTEM AND METHOD FOR REMOTELY MANAGING CLIMATE CONTROL SYSTEMS OF A FLEET OF VEHICLES	10/2/2017	15/722,860
BERGSTROM INC.	MULTI-COMPRESSOR CLIMATE SYSTEM	9/17/2018	16/133,599
BERGSTROM INC.	SYSTEMS AND METHODS FOR CONTROLLING A VEHICLE HVAC SYSTEM	2/22/2017	15/439,865
BERGSTROM INC.	REFRIGERATION SYSTEM WITH SUPERHEATING, SUB-COOLING AND REFRIGERANT CHARGE LEVEL CONTROL (Smart Drier)	11/17/2017	15/816,993
BERGSTROM INC.	INTEGRATED CONDENSER AND COMPRESSOR SYSTEM	3/9/2016	15/065,745
BERGSTROM INC.	COMBINATION STRUCTURE BETWEEN STATOR AND ROTOR IN A BRUSHLESS MOTOR	7/14/2016	15/210,517
BERGSTROM INC.	STATOR WITH INSULATING BOBBIN IN A BRUSHLESS MOTOR	7/14/2016	15/210,541
BERGSTROM INC.	SYSTEMS AND METHODS FOR STARTING-UP A VEHICULAR AIR-CONDITIONING SYSTEM	9/2/2016	15/256,109
BERGSTROM INC.	REFRIGERANT LIQUID-GAS SEPARATOR WITH ELECTRONICS COOLING	9/30/2016	15/283,150
BERGSTROM INC.	REFRIGERANT LIQUID-GAS SEPARATOR WITH INTEGRATED CHECK VALVE	7/26/2017	15/660,734



BERGSTROM INC.	REFRIGERANT SYSTEM FOR COOLING ELECTRONICS	7/27/2017	62/537,864
BERGSTROM INC.	SYSTEMS AND METHODS FOR DETERMINING AIRFLOW IN AN HVAC SYSTEM	4/2/2018	62/651,624
BERGSTROM INC.	SYSTEMS AND METHODS FOR DETERMINING AIRFLOW IN AN HVAC SYSTEM	10/31/2018	62/753,823
BERGSTROM INC.	INTEGRATED VEHICULAR HEATING, COOLING AND HOT WATER SYSTEM	4/2/2018	62/651,624