

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| | |
|--|---------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | SECURITY AGREEMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Elgin Sweeper Company | 04/14/2011 |
| RECEIVING PARTY DATA | |
| Name: | Bank of Montreal, as Collateral Agent |
| Street Address: | 115 South LaSalle Street |
| City: | Chicago |
| State/Country: | ILLINOIS |
| Postal Code: | 60603 |
| PROPERTY NUMBERS Total: 5 | |
| Property Type | Number |
| Patent Number: | 7424767 |
| Patent Number: | 5839157 |
| Patent Number: | 5852847 |
| Patent Number: | 6026724 |
| Application Number: | 10997667 |
| CORRESPONDENCE DATA | |
| Fax Number: | (312)803-5299 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | (312) 845-3430 |
| Email: | kalwa@chapman.com |
| Correspondent Name: | Richard Kalwa |
| Address Line 1: | 111 West Monroe Street |
| Address Line 2: | Chapman and Cutler LLP |
| Address Line 4: | Chicago, ILLINOIS 60603 |
| ATTORNEY DOCKET NUMBER: | 1625664 |
| NAME OF SUBMITTER: | Richard Kalwa |

PATENT

501526162

REEL: 026254 FRAME: 0141

CH \$200.00 7424767

Total Attachments: 8

source=3004251#page1.tif

source=3004251#page2.tif

source=3004251#page3.tif

source=3004251#page4.tif

source=3004251#page5.tif

source=3004251#page6.tif

source=3004251#page7.tif

source=3004251#page8.tif

PATENT COLLATERAL AGREEMENT

This 14th day of April, 2011, Federal Signal Corporation, a Delaware corporation ("*Borrower*") with its principal place of business and mailing address at 1415 West 22nd Street, Suite 1100, Oak Brook, Illinois 60523, and the other parties executing this Agreement under the heading "*Debtors*" (the Borrower and such other parties being hereinafter referred to collectively as the "*Debtors*" and individually as a "*Debtor*") in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, assigns, mortgages and pledges to Bank of Montreal ("*BMO*"), with its mailing address at 115 South LaSalle Street, Chicago, Illinois 60603, acting as collateral agent hereunder for the Secured Creditors as defined in the Security Agreement referred to below, and its successors and assigns (BMO acting as such collateral agent and any successor(s) or assign(s) to BMO acting in such capacity being hereinafter referred to as the "*Collateral Agent*"), and grants to the Collateral Agent for the benefit of the Secured Creditors a continuing security interest in, the following property:

(i) Each patent and patent application listed on Schedule A hereto and all of the inventions described and claimed therein and any and all reissues, continuations, continuations-in-part or extensions thereof; and

(ii) All proceeds of the foregoing, including without limitation any claim by Debtor against third parties for damages by reason of past, present or future infringement of any patent or patent application listed on Schedule A hereto, in each case together with the right to sue for and collect said damages;

to secure the payment and performance of all Secured Obligations of Debtor as set out in that certain Security Agreement bearing even date herewith between Debtor and Collateral Agent, as the same may be amended, modified, or restated from time to time (the "*Security Agreement*").

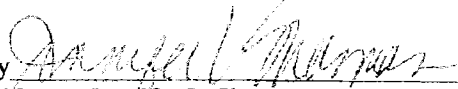
Debtor does hereby further acknowledge and affirm that the rights and remedies of Collateral Agent with respect to the assignment, mortgage, pledge and security interest in the patents and patent applications made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

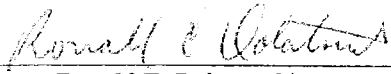
IN WITNESS WHEREOF, Debtor has caused this Patent Collateral Agreement to be duly executed as of the date and year last above written.

[SIGNATURE PAGE FOLLOWS]

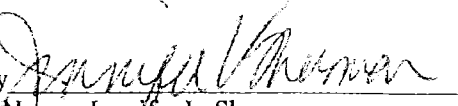
"DEBTORS"

FEDERAL SIGNAL CORPORATION

By 
Name: Jennifer L. Sherman
Title: Senior Vice President

By 
Name: Ronald E. Dolatowski
Title: Vice President & Treasurer

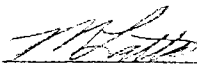
VACTOR MANUFACTURING, INC.
ELGIN SWEEPER COMPANY
FEDERAL APD INCORPORATED
FS DEPOT, INC.
E-ONE NEW YORK, INC.
FEDERAL SIGN AND SIGNAL, INC.
GUZZLER MANUFACTURING, INC.
FEDERAL MERGER CORPORATION
FEDERAL SIGNAL CREDIT CORPORATION
FS HOLDING, INC.
VICTOR PRODUCTS USA, INCORPORATED
JETSTREAM OF HOUSTON, INC.
JETSTREAM OF HOUSTON, LLP
FS LIGHTING, INC.
FS LIGHTING, LLP
ATHEY PRODUCT, INC.
FEDERAL SIGN, INC.
BRONTO SKYLIFT, INC.
FEDERAL SIGNAL TECHNOLOGIES, LLC
PIPS TECHNOLOGY INC.
SIRIT CORP.
VESYSTEMS, LLC

By 
Name: Jennifer L. Sherman
Title: Vice President

Patent Collateral Agreement
Signature Page

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

BANK OF MONTREAL, as Collateral Agent

By 
Name: MaryLee Latta
Title: Director

Patent Collateral Agreement
Signature Page

**SCHEDULE A
TO PATENT COLLATERAL AGREEMENT**

**U.S. PATENT NUMBERS
AND PENDING U.S. PATENT APPLICATION NUMBERS**

| Owner | Country | Application No. | Patent/Design No. | Description/Reference |
|----------------------------|---------|-----------------|-------------------|---|
| ELGIN SWEEPER COMPANY | U.S.A. | 10/942,398 | 7,424,767 | STREET SWEEPER WITH LITTER HOSE |
| FS DEPOT, INC. | U.S.A. | 10/830361 | 10/830361 | SYSTEM AND METHOD FOR REFUSE COLLECTION |
| ELGIN SWEEPER COMPANY | U.S.A. | 10/997667 | 10/997667 | RODDER PUMP |
| ELGIN SWEEPER COMPANY | U.S.A. | 08/642196 | 5839157 | STREET SWEEPER PICK-UP HEAD |
| ELGIN SWEEPER COMPANY | U.S.A. | 08/805076 | 5852847 | HIGH-SPEED PICK-UP HEAD FOR A STREE |
| ELGIN SWEEPER COMPANY | U.S.A. | 08/785339 | 6026724 | SHARPENING DEVICE |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 08/169427 | 5557257 | PROGRAMMABLE EMERGENCY SIGNALLING |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 08/475354 | 5584560 | REMOTE CONTROL SPOTLIGHT - D1923) |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 08/902841 | 5970158 | COMPACT HORN SPEAKER (MODEL MS100) |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 29/068522 | D402909 | LIGHT BAR HOUSING (VISTA) |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 09/429908 | 6778078 | INTERGRATED EMERGENCY SIGNALING |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 08/418804 | RE35373 | VEHICLE TIRE DEFLATOR |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 07/859071 | 5253950 | VEHICLE TIRE DEFLATOR |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 10/074777 | 6854157 | DEBRIS COLLECTION SYSTEMS AND VEHICLE |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 10/809664 | 7244053 | MOUNTING FOOT FOR LIGHT BAR |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 10/504645 | 7281296 | DEBRIS COLLECTION SYSTEMS, VEHICLES |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 11/394752 | 7476013 | LIGHT BAR AND METHOD FOR MAKING |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 10/962875 | 7578600 | LED LIGHT ASSEMBLY WITH REFLECTOR |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 11/505642 | 7746794 | INTEGRATED MUNICIPAL MANAGEMENT |

Schedule A

| Owner | Country | Application No. | Patent/Design No. | Description/Reference |
|----------------------------|---------|-----------------|-------------------|--|
| FEDERAL SIGNAL CORPORATION | U.S.A. | 10/253592 | 6887290 | DEBRIS SEPARATION AND FILTRATION SYSTEMS |
| FEDERAL SIGNAL CORPORATION | U.S.A. | 29/382177 | D616468 | IMPELLER |
| FEDERAL SIGNAL CORPORATION | USA | 12/173507 | 1527.0007US01 | SIDE BROOM HAVING MEMORY RECALL AND METHOD FOR PERFORMING THE SAME |
| FEDERAL SIGNAL CORPORATION | USA | 12/196052 | 15727.0014US01 | REFUSE TRUCK HAVING DOUBLE BARREL STORAGE AND METHODS |
| FEDERAL SIGNAL CORPORATION | USA | 12/357175 | 15727.0017US01 | TUBE RESTRAINT & METHODS |
| FEDERAL SIGNAL CORPORATION | USA | 12/418220 | 1527.0018US01 | ARTICULATING VACUUM HOSE |
| FEDERAL SIGNAL CORPORATION | USA | 12/832579 | 15727.0021US01 | SEAL CARTRIDGE FOR A ROTATING NOZZLE ASSEMBLY |
| FEDERAL SIGNAL CORPORATION | USA | 61/397644 | 15727.0025USP1 | CONVEYANCE SYSTEM |
| FEDERAL SIGNAL CORPORATION | USA | 11/788487 | 15730.0012US01 | WARNING LIGHT |
| FEDERAL SIGNAL CORPORATION | USA | 11/788488 | 15730.0013US01 | WARNING LIGHT |
| FEDERAL SIGNAL CORPORATION | USA | 11/840062 | 15730.0015US01 | FLASH PATTERN SELECTION VIA POWER SWITCH |
| FEDERAL SIGNAL CORPORATION | USA | 11/712769 | 15730.0018USI1 | LIGHT ASSEMBLY |
| FEDERAL SIGNAL CORPORATION | USA | 12/341666 | 15730.0038EP01 | ROTATING LIGHT |
| FEDERAL SIGNAL CORPORATION | USA | 12/776500 | 15730.0040USU1 | WARNING LIGHT ARRANGEMENTS; COMPONENTS; AND METHODS |
| FEDERAL SIGNAL CORPORATION | USA | 29/356145 | 15730.0046US01 | WARNING LIGHT |
| FEDERAL SIGNAL CORPORATION | USA | 13/027418 | 15730.0048US01 | WARNING LIGHT ARRANGEMENTS; COMPONENTS; AND METHODS |
| FEDERAL SIGNAL CORPORATION | USA | 29/356141 | 15730.0049US01 | WARNING LIGHT |
| FEDERAL SIGNAL CORPORATION | USA | 29/356139 | 15730.0051US01 | LIGHT POD |
| FEDERAL SIGNAL CORPORATION | USA | 12/797425 | 16690.0002US01 | MULTILANE VEHICLE TRACKING SYSTEM |
| FEDERAL SIGNAL CORPORATION | USA | 12/905867 | 16690.0003US01 | ESTIMATING PARKING SPACE OCCUPANCY USING RADIO FREQUENCY IDENTIFICATION |
| FEDERAL SIGNAL CORPORATION | USA | 12/900684 | 16690.0004US01 | LANE POSITION DETECTION ARRANGEMENT USING RADIO FREQUENCY IDENTIFICATION |

| Owner | Country | Application No. | Patent/Design No. | Description/Reference |
|-------------|---------|-------------------|-------------------|--|
| SIRIT CORP. | U.S.A. | 12/108,870 | 7898482 | CONDUCTING RADIO FREQUENCY SIGNALS USING MULTIPLE LAYERS |
| SIRIT CORP. | U.S.A. | 10/992,958 | 7366465 | HOMODYNE RFID RECEIVER AND METHOD |
| SIRIT CORP. | U.S.A. | 10/992,966 | 7199713 | HOMODYNE SINGLE MIXER RECEIVER AND METHOD THEREFOR |
| SIRIT CORP. | U.S.A. | 10/993,316 | 7209040 | HOMODYNE RFID RECEIVER AND METHOD |
| SIRIT CORP. | U.S.A. | 11/739,584 | 7535360 | HOMODYNE RFID RECEIVER AND METHOD |
| SIRIT CORP. | U.S.A. | 11/362,622 | 7546137 | POWER CONTROL LOOP AND LO GENERATION METHOD |
| SIRIT CORP. | U.S.A. | 11/741,651 | 7873121 | OVERSAMPLING AND DIGITALLY FILTERING RFID SIGNALS |
| SIRIT CORP. | U.S.A. | 09/464,071 | 6496806 | METHOD AND SYSTEM FOR TRACKING CLUSTERED ITEMS |
| SIRIT CORP. | U.S.A. | 10/318,190 | 7336152 | METHOD AND SYSTEM FOR TRACKING CLUSTERED ITEMS |
| SIRIT CORP. | U.S.A. | 11/966,663 | 7724138 | METHOD AND SYSTEM FOR TRACKING CLUSTERED ITEMS (UTILITY-CON3) |
| SIRIT CORP. | U.S.A. | 09/516,117 | 6346881 | TAG EVALUATION MODULE FOR RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEM |
| SIRIT CORP. | U.S.A. | 09/477,478 | 6617962 | SYSTEM FOR MULTI-STANDARD RFID TAGS |
| SIRIT CORP. | U.S.A. | 10/644,916 | 7116212 | SYSTEM FOR MULTI-STANDARD RFID TAGS |
| SIRIT CORP. | U.S.A. | 10/983,238 | 7196613 | SYSTEM FOR MULTI-STANDARD RFID TAGS |
| SIRIT CORP. | U.S.A. | 09/534,446 | 6191708 | METHOD AND SYSTEM FOR PROVIDING INFORMATION REGARDING THE LOCATION OF A VEHICLE |
| SIRIT CORP. | U.S.A. | 10/804,198 | 7327802 | METHOD AND APPARATUS FOR CANCELING THE TRANSMITTED SIGNAL IN A HOMODYNE DUPLEX TRANSCEIVER |
| SIRIT CORP. | U.S.A. | 11/834,434 | 7545306 | DIRECTLY SAMPLING RADIO FREQUENCY SIGNALS |
| SIRIT CORP. | U.S.A. | 11/842,556 | 7852216 | BACKSCATTERING DIFFERENT RADIO FREQUENCY PROTOCOLS |
| SIRIT CORP. | U.S.A. | 11/843,781 | 7772997 | REDUCING LEAKAGE NOISE IN DIRECTLY SAMPLED RADIO FREQUENCY SIGNALS |
| SIRIT CORP. | U.S.A. | PCT/US2005/008902 | | METHOD AND APPARATUS FOR CANCELING THE TRANSMITTED SIGNAL IN A HOMODYNE DUPLEX TRANSCEIVER |

| Owner | Country | Application No. | Patent/Design No. | Description/Reference |
|----------------------------|---------|-------------------|-------------------|---|
| SIRIT CORP. | U.S.A. | PCT/US2009/037633 | | DETECTING TAMPERED WITH RADIO FREQUENCY IDENTIFICATION TAGS |
| SIRIT CORP. | U.S.A. | 12/966,891 | | BACKSCATTERING DIFFERENT RADIO FREQUENCY PROTOCOLS |
| SIRIT CORP. | U.S.A. | 12/045,355 | | BACKSCATTERING SPREAD-SPECTRUM RADIO FREQUENCY SIGNALS |
| SIRIT CORP. | U.S.A. | 12/835,664 | | DETECTING MULTIPLE SIGNALS FROM RF TAGS |
| SIRIT CORP. | U.S.A. | 12/710,999 | | CONVERTING BETWEEN DIFFERENT RADIO FREQUENCIES |
| SIRIT CORP. | U.S.A. | 11/741,654 | | ADJUSTING PARAMETERS ASSOCIATED WITH LEAKAGE SIGNALS |
| SIRIT CORP. | U.S.A. | 11/767,378 | | INTERROGATING RADIO FREQUENCY TAGS |
| SIRIT CORP. | U.S.A. | 11/750,876 | | ADJUSTING PARAMETERS ASSOCIATED WITH TRANSMITTER LEAKAGE |
| SIRIT CORP. | U.S.A. | 11/753,346 | | PIPELINING PROCESSES IN A RF READER |
| SIRIT CORP. | U.S.A. | 11/936,945 | | SAMPLING INTERMEDIATE RADIO FREQUENCIES |
| SIRIT CORP. | U.S.A. | 11/933,740 | | PASSIVELY TRANSFERRING RADIO FREQUENCY SIGNALS |
| SIRIT CORP. | U.S.A. | 12/123,237 | | MULTIPLEXING RADIO FREQUENCY SIGNALS |
| SIRIT CORP. | U.S.A. | 12/110,960 | | PASSIVELY TRANSFERRING RADIO FREQUENCY SIGNALS |
| SIRIT CORP. | U.S.A. | 12/052,544 | | DETECTING TAMPERED WITH RADIO FREQUENCY IDENTIFICATION TAGS |
| SIRIT CORP. | U.S.A. | 12/351,139 | | DETERMINING SPEEDS OF RADIO FREQUENCY TAGS |
| SIRIT CORP. | U.S.A. | PCT/US2010/020475 | | DETERMINING SPEEDS OF RADIO FREQUENCY TAGS |
| SIRIT CORP. | U.S.A. | 12/465,516 | | INTERROGATING RADIO FREQUENCY IDENTIFICATION (RFID) TAGS |
| SIRIT CORP. | U.S.A. | 12/477,064 | | SWITCHING RADIO FREQUENCY IDENTIFICATION (RFID) TAGS |
| SIRIT CORP. | U.S.A. | PCT/US2010/036878 | | SWITCHING RADIO FREQUENCY IDENTIFICATION (RFID) TAGS |
| VACTOR MANUFACTURING, INC. | U.S.A. | 10/083388 | 6792646 | SUCTION HOSE ARRANGEMENT FOR REFUSE TANK TRUCKS |

PATENT APPLICATIONS

| Owner | Country | Application No. | Patent/Design No. | Description/Reference |
|-------|---------|-----------------|-------------------|-----------------------|
|-------|---------|-----------------|-------------------|-----------------------|

| Owner | Country | Application No. | Patent/Design No. | Description/Reference |
|----------------------------|---------|-----------------|-------------------|---------------------------------|
| FEDERAL SIGNAL CORPORATION | USA | 11/548209 | 250225/US | FULLY INTEGRATED LIGHT BAR |
| FEDERAL SIGNAL CORPORATION | USA | 12/350506 | 704314/US | LIGHT BAR AND METHOD FOR MAKING |
| FEDERAL SIGNAL CORPORATION | USA | 12/542392 | 704834/US | LIGHT ASSEMBLY |