

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CP FORMATION LLC	01/02/2005
RECEIVING PARTY DATA		
Name:	THE HEIL COMPANY	
Street Address:	2030 HAMILTON PLACE BLVD., SUITE 200	
City:	CHATTANOOGA	
State/Country:	TENNESSEE	
Postal Code:	37421	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	10327816
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DATE SIGNED:	02/28/2019	
Total Attachments: 8		
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PATENT ASSIGNMENT

WHEREAS, CP FORMATION LLC, a Delaware corporation with offices at 1403 Foulk Road, Suite 102, Wilmington, DE 19803-2755 (hereinafter, "Assignor"), is the owner of the entire right, title and interest in and to the inventions and associated pending patent applications and issued letters patent in the United States and other jurisdictions which are set forth on Schedule A attached hereto and made apart hereof (the "Patents"); and

WHEREAS, THE HEIL COMPANY, a Delaware corporation with offices at 5751 Cornelison Road, 6400 Building A and B, Chattanooga, TN 37411 (hereinafter, "Assignee"), is desirous of acquiring the entire right, title and interest in, to and under said Patents;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by Assignee to Assignor of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignor hereby sells, assigns, transfers and sets over to Assignee the entire right, title and interest in and to the Patents and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on any of said inventions; and in and to all rights of priority resulting from the Patents; agree that said Assignee may apply for and receive Letters Patent for any of said inventions in its own name, and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, Assignor will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any of said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to Assignor relating to any of said inventions and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and

maintaining proper patent protection for said inventions and for vesting title to said inventions and the Patents and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, Assignor has executed this assignment and Assignee has acknowledged and agreed to the assignment by their duly authorized officers as of this 2nd day of January, 2005.

CP FORMATION LLC

THE HEIL COMPANY

By: CLOVE PARK INSURANCE COMPANY, By:
Member

Name:
Title:

By: William Fealey
Name: William Fealey
Title: Vice President

maintaining proper patent protection for said inventions and for vesting title to said inventions and the Patents and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives.

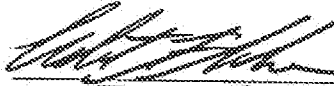
IN WITNESS WHEREOF, Assignor has executed this assignment and Assignee has acknowledged and agreed to the assignment by their duly authorized officers as of this 2nd day of January, 2005.

CP FORMATION LLC

THE HEIL COMPANY

By: CLOVE PARK INSURANCE COMPANY,
Member

By:


Name: ROBERT F. SCHEUER
Title: SECRETARY

By: _____
Name:
Title:

Schedule A

JURISDICTION	PATENT #	PATENT DATE	APPL #	APPL DATE	TITLE
Australia	611626	6/20/1991	8313204	4/6/1983	MECHANISM FOR DUMPING A CONTAINER INTO A REFUSE COLLECTING VEHICLE (English)
Australia	629612	10/8/1992	9050577	3/1/1990	REFUSE TRUCK BODY HAVING LOAD CARRYING EJECTOR PANEL (English)
Australia	637589	6/3/1993	9050575	3/1/1990	APPARATUS FOR LOADING MATERIAL INTO A STORAGE COMPARTMENT (English)
Australia	9524613	11/29/1995	9524613	5/4/1995	PROGRAMMABLE CONTROLLED TAILGATE COMPACTION MECHANISM (English)
Australia	9647476	7/24/1996	9647476	1/2/1996	TAILGATE FOR A RECYCLABLE MATERIAL CONTAINER MOUNTED ON A VEHICLE CHASSIS (English)
Australia	9469039	11/21/1994	9469039	4/26/1994	SEQUENCED TAILGATE LOCK (English)
Australia	9470139	10/11/1994	9470139	3/23/1994	TOP MOUNTED CONTAINER HANDLING APPARATUS (English)
Australia	9464106	10/11/1994	9464106	3/18/1994	AN ARTICULATED REFUSE COLLECTION APPARATUS (English)
Australia	9460139	8/29/1994	9460139	11/29/1993	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
Australia	200069059	3/13/2001	200069059	8/15/2000	REFUSE COLLECTION VEHICLES AND METHOD OF MANUFACTURING (English)
Australia	9350996	3/29/1994	9350996	9/1/1993	APPARATUS FOR PACKING SEPARATED RECYCLABLE MATERIALS (English)
Canada	1252069	4/4/1989	490404	9/11/1985	UNIVERSAL CONTAINER GRABBER APPARATUS FOR A REFUSE COLLECTION VEHICLE (English#French)
Canada	2012060	9/14/1990	2012060	3/13/1990	REFUSE TRUCK BODY HAVING LOAD CARRYING EJECTOR PANEL (English#French)
Canada	2012061	9/13/1990	2012061	3/13/1990	APPARATUS FOR LOADING MATERIAL INTO A STORAGE COMPARTMENT (English#French)
Canada	1333492	12/13/1994	615395	9/29/1989	MULTIPLE COMPARTMENT BODY FOR WASTE PRODUCTS AND THE LIKE (English#French)
Canada	2032897	10/10/1991	2032897	12/20/1990	REFUSE CONTAINER WITH SNAP-ON COVER (English#French)
Canada	1328416	4/12/1994	598862	5/5/1989	REFUSE CONTAINER WITH TWO-POSITION LID (English#French)
Canada	2084019	6/17/1993	2084019	11/27/1992	TRACTOR TRAILER (English#French)
Canada	2208579	7/11/1996	2208579	1/2/1996	TAILGATE FOR A RECYCLABLE MATERIAL CONTAINER MOUNTED ON A VEHICLE CHASSIS (English#French)
Canada	2144214	9/15/1995	2144214	3/8/1995	HOIST MECHANISM (English#French)
Canada	2118412	9/29/1994	2118412	3/18/1994	AN ARTICULATED REFUSE COLLECTION APPARATUS (English#French)
Canada	2133664	8/18/1994	2133664	11/29/1993	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English#French)
Canada	2093164	11/2/1993	2093164	4/1/1993	AUTOMATED CARRY CAN AND METHOD OF USE (English#French)
Canada	2143852	6/15/2004	2143852	9/1/1993	Apparatus for Packing Separated Recyclable Materials
Canada	2358737	4/13/2002	2358737	10/12/2001	MECHANISM FOR DUMPING A REFUSE CONTAINER (English#French)
Canada	83419	3/20/1996			Dump Truck Body
Canada	2161090	2/24/2004	2161090	4/26/1994	SEQUENCED TAILGATE LOCK (English)
Canada	05271002		2463277	4/5/2004	Drop Frame Refuse Collection Vehicle
European	92134	7/20/1988	83103498	4/11/1983	MECHANISM FOR DUMPING A CONTAINER INTO A REFUSE COLLECTION VEHICLE (English#French#German)

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JURISDICTION	PATENT #	PATENT DATE	APPL. #	APPL. DATE	TITLE
European	387617	9/19/1990	90103983	3/1/1990	APPARATUS FOR LOADING MATERIAL INTO A STORAGE COMPARTMENT (English#French#German)
European	368077	5/16/1990	89119763	10/24/1989	MULTIPLE COMPARTMENT BODY FOR WASTE PRODUCTS AND THE LIKE (English#French#German)
European	656863	6/14/1995	93920454	9/1/1993	APPARATUS FOR PACKING SEPARATED RECYCLABLE MATERIALS. (English#French#German)
European	682631	2/3/1999	94906432	11/29/1993	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English#French#German)
European	797534	7/4/2001	96903367	1/2/1996	TAILGATE FOR A RECYCLABLE MATERIAL CONTAINER MOUNTED ON A VEHICLE CHASSIS (English#French#German)
Germany	3377412	8/25/1988	83103498	4/11/1983	MECHANISM FOR DUMPING A CONTAINER INTO A REFUSE COLLECTION VEHICLE (English#French#German)
Germany	3620610	4/14/1994	3620610	6/20/1986	GREIFERVORRICHTUNG FUER MUELLBEHAELTER (German)
Germany	3378364	12/8/1988	83304910	8/25/1983	REFUSE HANDLING VEHICLE (English#French#German)
Germany	3382517	4/9/1992	87201450	8/25/1983	MUELLFAHRZEUG. (German)
Germany	69323439	6/10/1999	69323439	11/29/1993	GREIFVORRICHTUNG FUER VERSCHIEDENARTIGE BEHAELTER (German)
Germany	69422948	6/15/2000	69422948	3/18/1994	GELENKFAHRZEUG ZUM SAMMELN VON MUELL (German)
Germany	69613671	5/16/2002	69613671	1/2/1996	HECKKLAPPE FUER EINEN AUF EINEM FAHRGESTELL MONTIERTEN SAMMELBEHAELTER FUER WIEDERVERWERTBARE STOFFE (German)
Germany					Detachable truck body/semi trailer
Japan	92062982	10/8/1992	8366820	4/15/1983	not available
Japan	95053521	6/7/1995	8615574	1/27/1986	not available
Mexico	163839	6/25/1992	2530	5/16/1986	APARATO UNIVERSAL PARA ASIR CONTENEDORES PARA UN VEHICULO DE RECOLECCION DE BASURA (Spanish)
Norway	9001166	9/17/1990	901166	3/13/1990	KJOERETOEY FOR AVFALL. (Norwegian)
Norway	9001145	9/14/1990	901145	3/12/1990	ANORDNING FOR MATERIALASTING INN I ET LAGERROM. (Norwegian)
United Kingdom	9818369	10/21/1998	9818369	8/21/1998	TANK FOR CARRYING PRESSURISED LIQUIDS OR GASES ON A TANKER VEHICLE (English)
United Kingdom			96903367.9	1/2/1996	Tailgate for a Recyclable Material Container Mounted on a Vehicle Chassis
United Kingdom					Detachable truck body/semi trailer
United States	4690807	9/1/1987	784846	10/4/1985	REFUSE COLLECTION TRUCK AND APPARATUS FOR CONTROLLING COMPACTION OF REFUSE (English)
United States	4708570	11/24/1987	750138	7/1/1985	UNIVERSAL CONTAINER GRABBER APPARATUS FOR A REFUSE COLLECTION VEHICLE (English)
United States	5020844	6/4/1991	308839	2/9/1989	GRIPPING APPARATUS (English)
United States	5026104	6/25/1991	472616	1/30/1990	GRIPPING APPARATUS (English)
United States	5122025	6/16/1992	642146	1/15/1991	MULTIPLE COMPARTMENT BODY FOR WASTE PRODUCTS AND THE LIKE (English)
United States	5129553	7/14/1992	533350	6/5/1990	AERATION DEVICE (English)
United States	5427496	6/27/1995	176106	12/29/1993	APPARATUS FOR PACKING SEPARATED MATERIALS (English)
United States	5421613	6/6/1995	208054	3/8/1994	TRACTOR TRAILER (English)

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United States	5527098	6/18/1996	367706	1/3/1995	TAILGATE FOR A RECYCLABLE MATERIAL CONTAINER MOUNTED ON A VEHICLE CHASSIS TAILGATE FOR A RECYCLABLE MATERIAL CONTAINER MOUNTED ON A VEHICLE CHASSIS (English)
United States	5413402	5/9/1995	53907	4/27/1993	SEQUENCED TAILGATE LOCK (English)
United States	5520443	5/28/1996	334500	11/4/1994	SERIES HYDRAULIC CIRCUIT TAILGATE LOCKING MECHANISM SERIES HYDRAULIC CIRCUIT TAILGATE LOCKING MECHANISM (English)
United States	5513942	5/7/1995	373524	1/17/1995	REFUSE HOLDING VEHICLE (English)
United States	5419671	5/30/1995	36487	3/24/1993	TOP MOUNTED CONTAINER HANDLING APPARATUS (English)
United States	5547332	8/20/1996	398364	3/3/1995	TOP MOUNTED CONTAINER HANDLING APPARATUS Top mounted container handling apparatus (English)
United States	5551824	9/3/1996	271194	7/7/1994	ARTICULATED REFUSE COLLECTION APPARATUS (English)
United States	5813824	9/29/1998	855384	5/13/1997	METHOD OF COLLECTING REFUSE (English)
United States	5209537	5/11/1993	728186	7/10/1991	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
United States	5482180	1/9/1996	158960	1/19/1994	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
United States	5577877	11/26/1996	477233	6/7/1995	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
United States	5759008	6/2/1998	486138	6/7/1995	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
United States	5646044	12/8/1996	932374	9/17/1997	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
United States	5484245	1/16/1996	189406	1/31/1994	MOTOR POWERED INTERMEDIATE CONTAINER AND METHOD OF USE (English)
United States	5607277	3/4/1997	387224	2/13/1995	AUTOMATED INTERMEDIATE CONTAINER AND METHOD OF USE (English)
United States	5658117	8/19/1997	516747	8/15/1995	CLAMP CONNECTOR FOR A FRONT END LOADING REFUSE COLLECTION VEHICLE (English)
United States	5765985	6/16/1998	08-611369	3/6/1996	REFUSE COLLECTION VEHICLE CYLINDER RESTRAINING APPARATUS (English)
United States	5755547	5/26/1998	08-661197	6/10/1996	SIDE LOADING REFUSE COLLECTION VEHICLE ARM RESTRAINT (English)
United States	D409524	5/11/1999	87838	5/11/1998	Pick-up Truck Body
United States	D393234	4/7/1998	53051	4/10/1996	Cargo Body
United States	D386126	11/11/1997	61949	11/4/1996	Dump Truck Body
United States	5671330	2/16/1999	857732	5/16/1997	METHOD OF MOVING A VEHICLE FROM A FIRST LOCATION TO A SECOND LOCATION WITH A HOIST MECHANISM (English)
United States	6012892	1/11/2000	09/951998	10/16/1997	REFUSE COLLECTION VEHICLE (English)
United States	6004092	12/21/1999	09/019850	2/6/1998	SWINGING ARM LOADING REFUSE COLLECTION VEHICLE ARM RESTRAINT (English)
United States	6012895	1/11/2000	206541	12/7/1998	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
United States	6079461	6/27/2000	09/257851	3/2/1999	Use of inert gas in transfer of comminuted product to tank (English)
United States	6095365	8/1/2000	138933	8/24/1998	PIVOTING HATCH COVER ASSEMBLY (English)
United States	6174126	1/16/2001	149513	9/8/1998	ARTICULATED REFUSE COLLECTION APPARATUS AND METHOD (English)
United States	6193295	2/27/2001	09/464924	12/16/1999	REFUSE COLLECTION VEHICLE (English)
United States	6183185	2/6/2001	08/471584	6/7/1995	LOADER ASSEMBLY FOR AN ARTICULATED REFUSE COLLECTION VEHICLE (English)

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United States	2001000163 7	5/24/2001	747484	12/22/2000	ARTICULATED REFUSE COLLECTION APPARATUS AND METHOD (English)
United States	6250873	5/26/2001	09/247489	2/10/1999	REFUSE COLLECTION VEHICLE (English)
United States	D425845	5/30/2000	29/104575	5/7/1999	Truck body tailgate
United States	D433979	11/21/2000	29/084693	3/9/1998	Truck body tailgate
United States	D412682	8/10/1999	29/084695	3/9/1998	Truck body side panel
United States	6409275	6/25/2002	563418	5/2/2000	FRAME ATTACHMENT FOR VEHICLE (English)
United States	6457630	10/1/2002	2000608433	6/30/2000	TANK TRAILER CONSTRUCTION (English)
United States	D414138	9/21/1999	9082871	1/5/1998	Utility dump truck body
United States	5687938	11/18/1997	96611197	3/5/1996	Adjustable pipe brace
United States	6471233	10/29/2002	881454	6/14/2001	METHOD OF CONVERTING A REFUSE COLLECTION BODY TO A SEMI-TRAILER AND A REFUSE COLLECTION SEMI-TRAILER (English)
United States	6485244	11/26/2002	917416	7/26/2001	DUAL TRACK ASSEMBLY FOR REFUSE COLLECTION EQUIPMENT (English)
United States			10/327816	12/24/2002	Method of assembly of vehicle body structure
United States	6520008	2/18/2003	956288	9/19/2001	Hydraulic movement measuring system (English)
United States	6491489	12/10/2002	09/792715	2/23/2001	Rolling Pivot Loading Device
United States	6761523	7/13/2004	975759	10/11/2001	Mechanism for dumping a refuse container (English)
United States	6595569	7/22/2003	10/082722	2/26/2002	Automatic gate assembly (English)
United States			10/612324	7/3/2003	Refuse Collection Vehicle Having Multiple Collection Assemblies
United States	6726408	4/27/2004	10/033448	12/27/2001	Cooling System for Pneumatic Unloading of Container
United States			10/622530	7/18/2003	Rear Loader Collection Vehicle with Detachable Container
United States			10/422517	4/24/2003	Transport container having compartments that can be individually pressurized
United States			10/759568		Drop Frame Refuse Collection Vehicle
United States			09/932798	8/20/2001	Spill Shield for Refuse Collection Vehicle
United States	6733027	5/11/2004	174679	6/19/2002	Detachable truck body/semi trailer (English)
United States			10/430852	5/6/2003	Refuse Packer Assembly
United States			10/825011	4/15/2004	Land and Sea Transport System for Particulate Materials
United States			10/624694	7/22/2003	Refuse Collection Vehicle and Method with Stackable Refuse Storage Container
United States				10/4/2004	Refuse Collection System and Method
United States					Brake Energy Recovery System
United States			10/893400	7/16/2004	Rear loader collection vehicle with detachable container
WIPO	9405570	3/17/1994	93US8244	9/1/1993	APPARATUS FOR PACKING SEPARATED RECYCLABLE MATERIALS (English)
WIPO	9530608	11/16/1995	95US5092	5/4/1995	PROGRAMMABLE CONTROLLED TAILGATE COMPACTION MECHANISM (English)
WIPO	9520887	7/11/1996	96US181	1/2/1996	TAILGATE FOR A RECYCLABLE MATERIAL CONTAINER MOUNTED ON A VEHICLE CHASSIS (English)
WIPO	9425308	11/10/1994	94US4524	4/28/1994	SEQUENCED TAILGATE LOCK (English)
WIPO	9421541	9/29/1994	94US3155	3/23/1994	TOP MOUNTED CONTAINER HANDLING APPARATUS (English)
WIPO	9418098	8/18/1994	93US11549	11/29/1993	GRIPPING APPARATUS FOR OMNIFARIOUS CONTAINERS (English)
WIPO	9919237	4/22/1999	98US21673	10/15/1998	REFUSE COLLECTION VEHICLE (English)

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WIPO	200112532	2/22/2001	2000US22291	8/15/2000	REFUSE COLLECTION VEHICLES AND METHOD OF MANUFACTURING (English)
WIPO			03723677	7/29/2003	Rear Loader Collection Vehicle with Detachable Container
WIPO			10/327816	12/24/2002	Method of Assembly of Vehicle Body Structure
WIPO	200400604	12/31/2003	2003US19194	6/18/2003	DETACHABLE TRUCK BODY/SEMI TRAILER BENNE /SEMI-REMORQUE DE CAMION DETACHABLE (English)
WIPO			US04/23418	7/20/2004	Refuse Collection Vehicle and Method with Stackable Refuse Storage Container