

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
CONVEYING PARTY DATA	
Name	Execution Date
General Electric Capital Canada, Inc., a Canada corporation	10/31/2005
RECEIVING PARTY DATA	
Name:	Astec Industries, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407
Name:	Astec, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407
Name:	Heatec, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407
Name:	CEI Enterprises, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407
Name:	Astec Systems, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue

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City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Telsmith, Inc., a Delaware corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Kolberg-Pioneer, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Johnson Crushers International, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Superior Industries of Morris, Inc., a Minnesota corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Breaker Technology, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Carlson Paving Products, Inc., a Washington corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Roadtec, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Trencor, Inc., a Texas corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	American Augers, Inc., a Delaware corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	AI Development Group, Inc., a Minnesota corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	AI Enterprises, Inc., a Minnesota corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Astec Holdings, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Astec Investments, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE

Postal Code:	97407
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Name:	Astec Transportation, Inc., a Tennessee corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	TI Services, Inc., a Minnesota corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	Production Engineered Products, Inc., a Nevada corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

Name:	RI Properties, Inc., a Minnesota corporation
Street Address:	4101 Jerome Avenue
City:	Chattanooga
State/Country:	TENNESSEE
Postal Code:	97407

PROPERTY NUMBERS Total: 116

Property Type	Number
Patent Number:	6467201
Patent Number:	6386375
Patent Number:	6375105
Patent Number:	6360876
Patent Number:	6349819
Patent Number:	6336560
Patent Number:	6318928
Patent Number:	6318193
Patent Number:	6296109
Patent Number:	6285860

Patent Number:	6276464
Patent Number:	6257350
Patent Number:	6237703
Patent Number:	6234718
Patent Number:	6216797
Patent Number:	6210071
Patent Number:	6196710
Patent Number:	6131674
Patent Number:	6123279
Patent Number:	6098811
Patent Number:	6091337
Patent Number:	6062093
Patent Number:	6033031
Patent Number:	6032886
Patent Number:	6012241
Patent Number:	5967431
Patent Number:	5950939
Patent Number:	5931394
Patent Number:	5916504
Patent Number:	5904904
Patent Number:	5868522
Patent Number:	5851085
Patent Number:	5846026
Patent Number:	5833043
Patent Number:	5788168
Patent Number:	5732827
Patent Number:	5659140
Patent Number:	5642961
Patent Number:	5615973
Patent Number:	5577808
Patent Number:	5575538
Patent Number:	5564205
Patent Number:	5553968
Patent Number:	5551166
Patent Number:	5540394

Patent Number:	5540393
Patent Number:	5533829
Patent Number:	5533828
Patent Number:	5515961
Patent Number:	5490635
Patent Number:	5484111
Patent Number:	5482121
Patent Number:	5478530
Patent Number:	5471771
Patent Number:	5469926
Patent Number:	5466418
Patent Number:	5441361
Patent Number:	5433575
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Patent Number:	5362193
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Patent Number:	5334012
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Patent Number:	5259717
Patent Number:	5259693
Patent Number:	5232099
Patent Number:	5228221
Patent Number:	5226488
Patent Number:	5215404
Patent Number:	5215372
Patent Number:	5212896
Patent Number:	5209001
Patent Number:	5203693
Patent Number:	5201472
Patent Number:	5197347
Patent Number:	5189817

Patent Number:	5181663
Patent Number:	5096331
Patent Number:	RE35088
Patent Number:	5058685
Patent Number:	5054931
Patent Number:	5035534
Patent Number:	5029766
Patent Number:	5015120
Patent Number:	4946307
Patent Number:	4944630
Patent Number:	D309613
Patent Number:	4909333
Patent Number:	4909332
Patent Number:	4906352
Patent Number:	4895053
Patent Number:	4871027
Patent Number:	4867572
Patent Number:	4861195
Patent Number:	4827636
Patent Number:	4821970
Patent Number:	4818140
Patent Number:	4818139
Patent Number:	4794708
Patent Number:	4783013
Patent Number:	4755001
Patent Number:	4742627
Patent Number:	4732670
Patent Number:	4720929
Patent Number:	4715720
Patent Number:	4666092
Patent Number:	4616934
Patent Number:	4615491
Patent Number:	4595241
Patent Number:	4588034
Patent Number:	4553448

Patent Number:

4526425

CORRESPONDENCE DATA

Fax Number: (214)758-1550

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2147581500

Email: estafford@pattonboggs.com

Correspondent Name: Darren W. Collins

Address Line 1: 2001 Ross Avenue

Address Line 2: Patton Boggs, LLP; Suite 3000

Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:

009132.0133

NAME OF SUBMITTER:

Darren W. Collins

Total Attachments: 8

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**RELEASE OF SECURITY INTEREST
IN PATENTS**

THIS RELEASE OF SECURITY INTEREST IN PATENTS is made this 31st day of October, 2005, by GENERAL ELECTRIC CAPITAL CANADA INC., a Canada corporation, with an office located at 1100 Abernathy Road, Suite 900, Atlanta, Georgia 30328, c/o General Electric Capital Corporation (“Agent”).


WHEREAS, reference is made to that certain Patent Security Agreement dated May 14, 2003 (“Patent Security Agreement”), by and between ASTEC INDUSTRIES, INC., a Tennessee corporation, ASTEC, INC., a Tennessee corporation, HEATEC, INC., a Tennessee corporation, CEI ENTERPRISES, INC., a Tennessee corporation, ASTEC SYSTEMS, INC., a Tennessee corporation, TELSMITH, INC., a Delaware corporation, KOLBERG-PIONEER, INC., a Tennessee corporation, JOHNSON CRUSHERS INTERNATIONAL, INC., a Tennessee corporation, SUPERIOR INDUSTRIES OF MORRIS, INC., a Minnesota corporation, BREAKER TECHNOLOGY, INC., a Tennessee corporation, PRODUCTION ENGINEERED PRODUCTS, INC., a Nevada corporation, CARLSON PAVING PRODUCTS, INC., a Washington corporation, ROADTEC, INC., a Tennessee corporation, TRENCOR, INC., a Texas corporation, AMERICAN AUGERS, INC., a Delaware corporation, AI DEVELOPMENT GROUP, INC., a Minnesota corporation, AI ENTERPRISES, INC., a Minnesota corporation, ASTEC HOLDINGS, INC., a Tennessee corporation, ASTEC INVESTMENTS, INC., a Tennessee corporation, ASTEC TRANSPORTATION, INC., a Tennessee corporation, RI PROPERTIES, INC., a Minnesota corporation, and TI SERVICES, INC., a Minnesota corporation, (the “Grantors”), and Agent.

WHEREAS, in connection with the Patent Security Agreement, the Grantors granted Agent a continuing security interest in all of the right, title and interest of such Grantors in and to the Patent Collateral (as defined in the Patent Security Agreement).

NOW THEREFORE, for good and valuable consideration, Agent hereby releases and terminates all its security interest in and to the Patent Collateral including, without limitation, the Patent Collateral described in the exhibits attached to the Patent Security Agreement and attached as Schedule 1 hereto, recorded with the United States Patent and Trademark Office on June 25, 2005.

IN WITNESS WHEREOF, Agent has caused this Release of Security Interest in Patents to be duly executed by its authorized officer as of the day and year first written above.

GENERAL ELECTRIC CAPITAL CANADA INC.

By: 
Name: Jack Morrone
Title: Duly Authorized Signatory

SCHEDULE 1

See attached.

ASTEC INDUS. SERVICES, INC.
U.S. FOREIGN PATENTS-CURRENT
(m. fees are 6 mos. prior to actual due date)

PATENT	DESCRIPTION	ISSUED	EXPIRES	COMPANY	COUNTRY	INVENTOR	FEE DUE
6467201 B1	Trench Cutting Machine	10/22/2002	6/26/2021	RI PROPERTIES, INC.	USA	MCSHARRY, et al.	4/22/2006
6386375 B1	Lubrication System for Vibrating Fair Screens	6/14/2002	1/10/2021	JCI	USA	OLSEN	1/14/2005
6375105 B1	Jaw Crktr. Toggle Beam Hydraulic Relief & Crg.	4/23/2002	3/21/2020	TI SERVICES, INC.	USA	HAVEN, et al.	10/23/2005
6360878 B1	Portable Telescoping Radial Stacking Conveyor	2/28/2002	10/20/2018	SUPERIOR	USA	NOHL, et al.	9/26/2005
6349818 B1	Ball Conveyor/Idler Support Frame	2/28/2002	5/29/2020	ASTEC INDUSTRIES, INC.	USA	NOHL, et al.	8/26/2005
6339580 B1	Grizzly Screening Apparatus	1/8/2002	2/1/2020	ASTEC INDUSTRIES, INC.	USA	SCHAEFER	7/8/2005
6318928 B1	Mn. App. For Elev. Hg. Seed Air. In Pkg. Mach.	11/20/2001	1/7/2020	ASTEC INDUSTRIES, INC.	USA	SWEARINGEN	5/20/2005
6318183 B1	Apparatus For Use in Sampling Aggregate	10/2/2001	2/2/2020	ASTEC INDUSTRIES, INC.	USA	BROCK, et al.	5/20/2005
6286109 B1	Fold Linkage and Method of Using Same	9/4/2001	9/22/2018	AMERICAN AUGERS, INC.	USA	NOHL	4/2/2005
6285960 B1	Concl. Equip. Lockout Sys. w/Temp. Shutdown	8/21/2001	2/10/2020	ASTEC INDUSTRIES, INC.	USA	SZARVA, et al.	3/4/2005
6276464	Shake Coupler for a Horizontal Directional Drill	7/10/2001	2/11/2020	ASTEC INDUSTRIES, INC.	USA	DRANEY, et al.	1/10/2005
6257350	Mult Position Staking Sys. for a Horiz. Dir. Drill	5/28/2001	2/11/2020	ASTEC INDUSTRIES, INC.	USA	DRANEY, et al.	1/128/2004
6237703	Pipe Cartridge for a Horizontal Directional Drill	5/22/2001	3/28/2019	ASTEC INDUSTRIES, INC.	USA	MOFFITT, et al.	1/122/2004
6234718	Vibratory Apparatus	4/17/2001	1/11/2019	ASTEC INDUSTRIES, INC.	USA	DRANEY, et al.	10/17/2004
6218787	Thrust System for a Horizontal Directional Drill	4/3/2001	9/27/2019	RI PROPERTIES, INC.	USA	MCSHARRY	10/3/2004
6210071 B1	Meth. App. For Cutting Runable Strips	3/6/2001	11/29/2019	RI PROPERTIES, INC.	USA	SWANSON/KEYLON	9/8/2004
6198710 B1	Dust Distributor for Asphalt Mixing Machine	10/17/2000	4/30/2018	ASTEC INDUSTRIES, INC.	USA	DRANEY, et al.	4/17/2004
6131874	Grapping App. for Realizing Sliding of Drill. Mach	8/28/2000	7/13/2018	TI SERVICES, INC.	USA	STAFFORD, et al.	3/28/2004
6123278	Rock Crusher Having Crushing-Enhancing Liners	8/8/2000	7/31/2018	ASTEC INDUSTRIES, INC.	USA	SCHAEFER	2/8/2004
6098841	Grizzly Screening Apparatus	5/16/2000	10/8/2018	ASTEC INDUSTRIES, INC.	USA	ARSHAD, et al.	1/8/2004
6091337	High Voltage Contact Monitor w/Bullin Self-Str	7/19/2000	3/19/2018	ASTEC INDUSTRIES, INC.	USA	BROCK, et al.	11/8/2003
6062093	Mth. & App. For Sampling Agr. Material	3/7/2000	3/13/2018	ASTEC INDUSTRIES, INC.	USA	CAMPBELL	8/7/2003
6033031	Mth. Mach. w/Vibrating Mech. & Rotary Drum	3/7/2000	3/13/2018	RI PROPERTIES, INC.	USA	CAMPBELL	8/7/2003
6032886	Adjustment for Rock Crusher	3/7/2000	3/18/2018	JCI	USA	DRINKWATER, et al.	7/1/2003
6012241	Chain Trencher Havy. Head Shaft Wear Plates	1/11/2000	10/27/2018	TRENCOR, INC.	USA	PASJENSKI, et al.	4/19/2007
5850939	Rock Crusher Having Crushing-Enhancing Liners	8/14/1998	8/24/2018	JCI	USA	DRINKWATER, et al.	3/14/2007
5831394	Anti-Spin Mechanism for Grizzly Crusher	8/31/1998	3/30/2018	TI SERVICES, INC.	USA	HAVEN, et al.	2/3/2007
5976504	Mth. & App. For Firm a Compaeted Test Spec.	6/28/1998	7/7/2017	ASTEC, INC.	USA	JAKOB, et al.	1/22/2006
5904804	Thml. of Conslm. Partic. Mat. by Low-Temp. Thml.	5/18/1998	10/3/2018	RI PROPERTIES, INC.	USA	SWANSON	11/18/2006
5888822	Vibratory Scrtd. Ass. for an Asphalt Pvg Mach.	2/9/1998	1/18/2017	RI PROPERTIES, INC.	USA	CAMPBELL	8/8/2006
5851085	Mth. For Spraying a Tack Material	12/27/1998	6/28/2014	RI PROPERTIES, INC.	USA	CAMPBELL	6/22/2006
5846026	Method for Pipelining Padding	12/8/1998	3/6/2017	TRENCOR, INC.	USA	GILBERT, et al.	6/8/2006
5833043	Portable Radial Stacking Conveyor	11/10/1998	5/14/2016	SUPERIOR	USA	SCHMIDGALL, et al.	5/10/2006
5788188	Self-Loading Mobile Crusher System	8/4/1998	3/5/2017	TRENCOR, INC.	USA	GILBERT, et al.	2/4/2006
5732827	Screening Apparatus	3/31/1998	10/29/2015	TI SERVICES, INC.	USA	DORSCHT	9/30/2005
5689140	Testing Machine for Pavement Samples	7/1/1997	4/18/2016	ASTEC, INC.	USA	JAKOB	1/1/2005
5642961	Mel. For Conveying & Desegregating Aggr.	4/11/1997	9/29/2014	RI PROPERTIES, INC.	USA	CAMPBELL	10/1/2004
5615973	Pav. Mach. w/Gravty. Feed Hopper & Auger	11/28/1996	4/3/2015	TRENCOR, INC.	USA	GILBERT	5/29/2004
5572808	Quarry Millner	11/18/1996	6/1/2015	ASTEC INDUSTRIES, INC.	USA	GILBERT	5/19/2004
5575539	Rock Saw w/Centrifuge Conveyor Assembly	10/15/1996	8/1/2015	ASTEC INDUSTRIES, INC.	USA	SMITH	4/15/2004
5564205	Excavating Machine w/Stowable Discharge	8/10/1996	9/28/2014	RI PROPERTIES, INC.	USA	CAMPBELL	3/3/2004
5553968	Mat. & App. For Convey. & Desegreg. Aggr.	8/3/1996	3/7/2014	RI PROPERTIES, INC.	USA	MILSTEAD	1/30/2004
5551786	Dyer Drum Cooler Having Verted Outer Sh	7/30/1996	5/2/2015	TI SERVICES, INC.	USA	BREMER, et al.	1/30/2004
5540384	Adj. Mech. For Gyrsphere Crsh. Concave	7/30/1996	4/28/2005	TI SERVICES, INC.	USA	STAFFORD, et al.	1/30/2004
5540383	Gyrs. Crsh. w/Bllder Oper. Bowl Lock Mech.	7/9/1996	6/2/2015	RI PROPERTIES, INC.	USA	CAMPBELL	1/8/2004
5533829	Pav. Mach. w/Link.Devic&Dischg. Conv. Ass.	7/9/1996	2/18/2015	RI PROPERTIES, INC.	USA	CAMPBELL	1/8/2004
5533828	Mel. & App. For Dischng. Pav. Mat. On Top	5/14/1996	8/11/2014	SUPERIOR	USA	MURPHY	11/14/2003
5515981	Portable Radial Stacking Conveyor	2/13/1996	8/2/2014	TI SERVICES, INC.	USA	GRAY	8/13/2003
5490635	Control Cab Support Mechanism	1/10/1996	5/31/2014	ASTEC INDUSTRIES, INC.	USA	DORSCHT/HOGAN	7/18/2003
5484111	Hammers for Hammer Mills	1/8/1996	11/18/2013	ASTEC INDUSTRIES, INC.	USA	DRANEY, et al.	7/8/2007
5481721	Vibratory Cable Plov Assembly	12/28/1995	9/22/2014	AI ENTERPRISES, INC.	USA	SWANSON	6/28/2003
5478530	Hot Mix Asp. Pl. w/Catalytic Reactor	12/5/1995	8/10/2014	TRENCOR, INC.	USA	GILBERT	6/8/2003
5471771	Meth. & Apparatus for Cooling Chain Type	4/22/2014		ASTEC INDUSTRIES, INC.	USA	LESSARD	9/28/2007
5469826	Directional Boring Drill Bit Bld	11/14/1995	7/13/2013	AI ENTERPRISES, INC.	USA	SWANSON, et al.	5/14/2003

ASTEC INDUSTRIES, INC.
U.S./FOREIGN PATENTS-CURRENT
(In fees are 6 mos. prior to actual due date)

PATENT	DESCRIPTION	ISSUED	EXPIRES	COMPANY	COUNTRY	INVENTOR	FEE DUE
5441361	Field Convertible Apparatus for Conducing	8/15/1995	12/17/2013	RI PROPERTIES, INC.	USA	CAMPBELL	2/16/2007
5433575	Meth. Of Erecting a Port. Asphalt. Prod. Plant	7/18/1995	8/12/2014	AI ENTERPRISES, INC.	USA	MILSTEAD	1/18/2003
5423606	Batch Asphalt. Ptl. Weirap Weight Hopper	6/13/1995	12/27/2013	AI ENTERPRISES, INC.	USA	MILSTEAD	12/13/2006
5405214	Paving Machine Incorporating Automatic	4/11/1995	8/12/2013	RI PROPERTIES, INC.	USA	CAMPBELL	10/11/2006
5367193	Self-Erecting Asphalt Production Plant	11/6/1994	11/6/2011	AI ENTERPRISES, INC.	USA	MILSTEAD	5/6/2006
5346418	Asphalt Finishing Screen w/Ret. Compactor	9/20/1994	9/20/2011	AI ENTERPRISES, INC.	USA	CAMPBELL	3/20/2008
5334012	Combustion Chamber w/Ret. NOX	8/2/1994	8/2/2011	AI ENTERPRISES, INC.	USA	CAMPBELL	2/2/2006
5320426	Asph. Drum Mixer w/Temp. Sensor End	6/4/1994	6/4/2011	AI ENTERPRISES, INC.	USA	CAMPBELL	12/14/2005
5316170	Roadway Trenching Apparatus	5/31/1994	5/31/2011	RI PROPERTIES, INC.	USA	CAMPBELL	11/30/2005
5308190	Mth. & App. For Htg. An Asphalt Pvg. Sced	5/3/1994	10/13/2013	CARLSON	USA	RAYMOND	1/19/2005
5294085	Portable screening/triing plant	3/15/1994	1/29/2013	ASTEC INDUSTRIES, INC.	USA	HARRIS, et al.	9/15/2005
5256683	Conveying Apparatus for Asphaltic Mix &	11/9/1993	11/9/2010	ASTEC INDUSTRIES, INC.	USA	MAY	5/9/2005
5232099	Mth. & App. For Htg. An Asphalt Pvg. Sced	11/9/1993	3/9/2012	AI ENTERPRISES, INC.	USA	RAYMOND	5/9/2005
5228221	Classifying Apparatus and Methods	8/3/1993	8/3/2010	PEP	USA	MAYNARD	2/3/2005
5228488	Boom Assembly for a Trencher Machine	7/20/1993	5/27/2012	ASTEC INDUSTRIES, INC.	USA	HILLARD, et al.	1/20/2005
5215404	Truck Mounted Boring System	7/13/1993	7/10/2011	ASTEC INDUSTRIES, INC.	USA	LESSARD, et al.	11/32/2005
5215372	Sced Unit for Asphalt Paving Machine	6/11/1993	3/9/2012	CARLSON	USA	RAYMOND	12/1/2004
5212896	Aggregate Stor. Apparatus for Prod. Asphalt	6/11/1993	6/1/2010	AI ENTERPRISES, INC.	USA	MILSTEAD	12/1/2004
5209001	Control Sys. for a Walk Behind Trencher Mach.	5/28/1993	5/16/2012	ASTEC INDUSTRIES, INC.	USA	HILLARD, et al.	11/28/2004
5203993	Trencher w/drum, Stabilized Main Frame	6/4/1993	5/4/2010	TRENCOR, INC.	USA	GILBERT	11/11/2004
5201472	Rotary Drum w/Internal Flights	4/20/1993	4/20/2010	AI ENTERPRISES, INC.	USA	SWANSON	10/20/2004
5197347	Meth. For Prep. & Storing Recycl. Shingle	4/13/1993	4/13/2010	AI ENTERPRISES, INC.	USA	BROCK	10/13/2004
5189617	Hand/foot Cntrl Sys. For an Off-Hwy. Implement	3/20/1993	7/24/2012	ASTEC INDUSTRIES, INC.	USA	SCHROEDER	9/2/2004
5181683	Tub Ghter with Screen Portion	1/28/1993	2/4/2012	ASTEC INDUSTRIES, INC.	USA	DORSCHTHOGAN	7/28/2004
5096331	Mth. & App. For Htg. a Pvg. Sced. w/Log. Ctr. Heat Trans.	3/17/1992	9/4/2010	CARLSON	USA	RAYMOND	9/17/2003
RE35085	Trench. Mach. w/Lat. Adj. Chain Type Dig	12/16/1991	12/16/2008	TRENCOR, INC.	USA	GILBERT	6/4/2003
5058685	Dorch Blade Mounting Apparatus	10/22/1991	7/17/2010	ASTEC INDUSTRIES, INC.	USA	MOFFITT, et al.	04/22/2003(1)
5054931	C-flow Drum Mix w/less Hydrocarbon Emiss	10/8/1991	10/8/2018	AI ENTERPRISES, INC.	USA	FARNHAM/PRIEL	04/09/2003(1)
5029534	Shut. Bug. App. For Transporting Asphalt. Ag.	7/30/1991	7/30/2008	RI PROPERTIES, INC.	USA	BROCK	1/30/2003(1)
5029766	Reel-Carrying Apparatus for Cable Installers	7/29/1991	1/22/2010	ASTEC INDUSTRIES, INC.	USA	EMMING	01/09/2003(1)
6015120	Shut. Bug. Meth. & App. Making Pavement	5/14/1991	5/14/2008	RI PROPERTIES, INC.	USA	BROCK, et al.	11/4/2002(1)
4946307	In-Place Recy. Asphalt. Pavement Recy. App.	8/7/1990	8/7/2007	RI PROPERTIES, INC.	USA	JAKOB	2/7/2002 (1)
4944630	Shut. Bug. Connect. w/wh Wheel of a Tract.	7/31/1990	7/31/2007	RI PROPERTIES, INC.	USA	BROCK, et al.	1/31/2002(1)
D308613	DESIGN: Road Planer (Road Milner)	7/31/1990	7/31/2004	TRENCOR, INC.	USA	GILBERT	N/A
4909333	Vibratory Plow	3/20/1990	7/7/2008	ASTEC INDUSTRIES, INC.	USA	LINDSTROM	NONE
4909332	Vibratory Plow	3/20/1990	2/12/2008	ASTEC INDUSTRIES, INC.	USA	LINDSTROM	NONE
4908952	Impr. Tensioning Assembly for Vib. Screens	3/6/1990	3/6/2007	PEP	USA	NELSON	NONE
4895053	Impulion Enabling-Disabling Device	1/23/1990	1/17/2008	ASTEC INDUSTRIES, INC.	USA	NELSON	NONE
4871027	Multiple Edge Sod Cutter for Vibratory Plow	10/3/1989	7/7/2008	ASTEC INDUSTRIES, INC.	USA	MOFFITT, et al.	NONE
4867672	DBBL. Asphalt. Ptl. w/Fixed Sleeve Mixer	8/19/1989	8/19/2008	AI ENTERPRISES, INC.	USA	LINDSTROM, et al.	NONE
4861195	Cable Plow Chute	8/28/1989	8/12/2009	ASTEC INDUSTRIES, INC.	USA	BROCKMAY	NONE
4827636	Trencher Gumbler Assembly	5/9/1989	2/25/2008	ASTEC INDUSTRIES, INC.	USA	HILLARD, et al.	NONE
4821670	Impact Crusher	4/18/1989	4/18/2006	TI SERVICES, INC.	USA	EMMING	NONE
4818140	Sced Extender w/tem-Forming Sced	4/4/1989	1/22/2008	CARLSON	USA	PUETZ	NONE
4818139	Shut. Bug. Meth. & App. For Making Asphalt.	4/4/1989	4/4/2006	RI PROPERTIES, INC.	USA	CARLSON	NONE
4794708	Trenching Machine Boom Assembly	1/3/1989	2/11/2008	ASTEC INDUSTRIES, INC.	USA	BROCK, et al.	NONE
4783013	Law Crusher Toggle Beam Locking Structure	11/8/1989	11/8/2005	TI SERVICES, INC.	USA	SCHROEDER, et al.	NONE
4755001	Road Planer (Road Milner)	7/5/1988	7/5/2005	TRENCOR, INC.	USA	POLZIN	NONE
4742827	Digging Boom Assembly	5/10/1988	9/24/2008	ASTEC INDUSTRIES, INC.	USA	GILBERT	NONE
4732670	Tensioning Assembly for Vibratory Screens	3/22/1988	3/22/2005	PEP	USA	LINDSTROM	NONE
4720929	Trenching Device	1/28/1988	1/28/2005	TRENCOR, INC.	USA	NELSON	NONE
4715720	DMC; Drum-Mix w/Knock-Out Box & Pugmill	12/29/1987	8/18/2008	AI ENTERPRISES, INC.	USA	UMBERSON	NONE
4666082	Torque Limiter for Gratory Crush. Anti-Spin	5/19/1987	12/28/2005	TI SERVICES, INC.	USA	BROCK	NONE
4616934	Drum-Mix Asphalt. Ptl. w/Knock-Out Box & Sep	10/14/1986	11/6/2004	AI ENTERPRISES, INC.	USA	BREMER	NONE
4615481	Gratory Crush. w/Auto. Tramp Iron Release	10/7/1986	10/7/2003	TI SERVICES, INC.	USA	BROCK	NONE
4595241	Digging Tooth and Holder Therefor	8/17/1986	4/18/2004	TRENCOR, INC.	USA	BATCH/STAFFORD	NONE
					USA	GILBERT	NONE

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PATENT	DESCRIPTION	ISSUED	EXPIRES	COMPANY	COUNTRY	INVENTOR	FEE DUE
4588034	Vibratory Plow Blade	5/13/1986	1/28/2004	ASTEC INDUSTRIES, INC.	USA	LEONARD, et al.	NONE
4553448	Dual-Rate Control Assembly	11/19/1985	6/2/2003	ASTEC INDUSTRIES, INC.	USA	YOUNGERS, et al.	NONE
4526425	Dual Wheel Mounting Arrangement	7/27/1985	4/4/2003	ASTEC INDUSTRIES, INC.	USA	SCHROEDER	NONE
254147	Gyr. Cntr. w/Tramp Iron Rel. (=US 4815401)	10/29/1993		TI SERVICES, INC.	ARGENT	BATCH/STAFFORD	11/29/2002
634278	Recycling Train (=US 4946307)	8/6/1980	8/6/2006	AI ENTERPRISES, INC.	AUSTRIA	JAKOB	8/6/2002
0 487634	Asph. Pavemnt Recycling App. (=US 4946307)	11/21/1994	8/6/2010	RI PROPERTIES, INC.	AUSTRIA	JAKOB	8/6/2001
0 487634	Asph. Pavemnt Recycling App. (=US 4946307)	11/21/1994	8/6/2010	RI PROPERTIES, INC.	BELGIUM	JAKOB	8/6/2001
678131	Asph. Drum Mkr. Hvg. Temp. Sensor Encl.	12/31/1997		AI ENTERPRISES, INC.	BELGIUM	KEYLON, et al.	3/1/2001
8804511	Jaw Cntr. Top Beam Lock (=US 4783013)	4/22/1993		TI SERVICES, INC.	BRAZIL	POLZIN	12/27/2002
1278318	Road Planer w/Full Width Cut/Excav. Tool	12/27/1990	12/27/2007	TRENCOR, INC.	CANADA	GILBERT	12/27/2001
1286902	Screed Extender w/Berm Forming Screed	7/30/1991		CARLSON	CANADA	CARLSON	7/30/2001
1301093	Torsional Limiting Device	5/18/1992	5/18/2008	AI ENTERPRISES, INC.	CANADA	UMBERSON	5/18/2001
1302851	Shuttle Buggy (=US 4818139)	6/23/1992	6/23/2008	RI PROPERTIES, INC.	CANADA	BROCK, et al.	6/23/2001
1328428	Shuttle Buggy, Mat. App. for Asp. Agg. Pave.	4/12/1994	4/12/2011	RI PROPERTIES, INC.	CANADA	BROCK, et al.	4/12/2002
1328430	Shuttle Buggy, Mat. App. for Asp. Agg. Pave.	4/12/1994	4/12/2011	RI PROPERTIES, INC.	CANADA	BROCK, et al.	4/12/2002
1195292	Material Handling System	10/5/1985	10/5/2002	BTI (Inc.)	CANADA	EDWARDS, et al.	10/5/2000
2005386	Port Self-Erect. Asp. Str. (=US 4943200)	9/27/1994	12/31/2009	AI ENTERPRISES, INC.	CANADA	EDWARDS, et al.	12/13/2001
2050444	Screed Heating System	5/2/1995		CARLSON	CANADA	JAKOB	5/2/2001
2060190	Asphalt Pavement Recycling Apparatus	11/9/1988	8/6/2010	AI ENTERPRISES, INC.	CANADA	JAKOB	8/6/2002
2074025	Classifying Apparatus and Methods	7/16/1982	7/16/2002	PEP	CANADA	NELSON, et al.	7/18/2001
2076649	Screed Unit for Asphalt Paving Machine	10/17/1985		CARLSON	CANADA	RAYMOND	10/17/2001
2088638	Job Grader with Screen Portion	10/14/1987	10/14/2014	KOLBERG-PIONEER, INC.	CANADA	DORSCHT	2/2/2001
2091077	Mth. & App. For Hvg. An Asphalt Pvg. Screed	7/23/1996		CARLSON	CANADA	RAYMOND	7/23/2001
2128630	Mth. & App. For Hvg. An Asphalt Pvg. Screed	12/6/1988		CARLSON	CANADA	RAYMOND	12/6/2001
2133410	Asph. Pn App. For Bldg. of Asphalt Cntr. Asp. Pvg.	2/29/1988	02/29/2013	AI ENTERPRISES, INC.	CANADA	MILSTEAD	4/6/2002
2164917	Dryer Drum Cooler Having Vented Culer Shell	12/8/1998	3/6/2015	KOLBERG-PIONEER, INC.	CANADA	DORSCHT	2/2/2002
2290114	Adjustment for Rock Crusher	8/12/1988		JCI	CANADA	MILSTEAD	8/12/2002
2280809	Cone Crusher for Rock	8/17/1989		JCI	CANADA	JCI	8/17/2002
0 487634	Asph. Pavemnt Recycling App. (=US 4946307)	11/21/1994	8/6/2010	RI PROPERTIES, INC.	DENMARK	JAKOB	8/6/2001
361882	Shuttle Buggy (=US 5015120)	7/26/1995		RI PROPERTIES, INC.	EPO	BROCK, et al.	3/6/1995
487634	Asph. Pavemnt. Recycling Apparatus (=4946307)	11/21/1994	8/6/2010	AI ENTERPRISES, INC.	EPO	JAKOB	7/18/2003
825439	Tsig. Machine for Pvrmt. Samples (#5659140)	11/13/2002	7/16/1997	ASTEC, INC.	EPO	JAKOB/EDWARDS	7/18/2003
2592500	Torque Lim. Gyr. Crush. (=US4868092)	7/20/1990	4/24/2008	TI SERVICES, INC.	FRANCE	BREMER	4/24/2002
2596671	Gyr. Cntr. w/Tramp Iron Rel. (=US 4815491)	4/8/1994	4/7/2008	TI SERVICES, INC.	FRANCE	BATCH, et al.	4/7/2002
0 308152	Shuttle Buggy (=US 4818139)	8/6/1988	8/6/2008	RI PROPERTIES, INC.	FRANCE	BROCK, et al.	8/6/2002
0 381882	Mth. & App. For Making Asph. Agg. Pavemnt	7/26/1995	4/4/2009	RI PROPERTIES, INC.	FRANCE	BROCK, et al.	4/4/2001
0 487634	Asph. Pavemnt Recycling App. (=US 4946307)	11/21/1994	8/6/2010	RI PROPERTIES, INC.	FRANCE	JAKOB	8/6/2002
	Self-Loading Mobile Crusher System			TRENCOR, INC.	FRANCE	GILBERT, et al.	11/1/2001
P397987-3	Shuttle Buggy (=US 4818139)	8/6/1988	8/6/2008	RI PROPERTIES, INC.	GERMANY	BROCK, et al.	8/6/2002
69013824-1	Asph. Pavemnt Recycling App. (=US 4946307)	11/21/1994	8/6/2010	RI PROPERTIES, INC.	GERMANY	JAKOB	8/6/2002
68928097-2	Mth. & App. For Making Asph. Agg. Pavemnt	7/26/1995	4/4/2009	RI PROPERTIES, INC.	GERMANY	BROCK, et al.	4/4/2001
678131	Asph. Drum Mkr. Hvg. Temp. Sensor Encl.	12/31/1997		AI ENTERPRISES, INC.	GERMANY	KEYLON, et al.	3/1/2001
	Self-Loading Mobile Crusher System			TRENCOR, INC.	GERMANY	KEYLON, et al.	11/1/2001
306152	Shuttle Buggy (=US 4818139)	8/6/1988	8/6/2008	RI PROPERTIES, INC.	ITALY	BROCK, et al.	8/6/2002

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PATENT	DESCRIPTION	ISSUED	EXPIRES	COMPANY	COUNTRY	INVENTOR	FEE DUE
0 381 882	Mh. & App. For Making Asph. App. Pavement	7/28/1998	4/4/2008	RI PROPERTIES, INC.	ITALY	BROCK, et al.	4/4/2001
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	ITALY	JAKOB	8/8/2002
	Self-Loading Mobile Crusher System			TRENCOR, INC.	ITALY		11/1/2002
1398374	Baghouse Divisional: Japanese			AI ENTERPRISES, INC.	JAPAN		1/10/1994
1394876	Bin Patent (Assigned by JEMCO)			AI ENTERPRISES, INC.	JAPAN		7/28/1993
2825041	Shuttle Buggy (US 4818139)	6/31/1998	8/24/2008	RI PROPERTIES, INC.	JAPAN	BROCK, et al.	5/31/2001
2785038	Mh. & App. For Making Asph. App. Pavement	5/28/1998	2/10/2009	RI PROPERTIES, INC.	JAPAN	BROCK, et al.	5/28/2001
3220751	Asphalt Drum Mkr. w/Temp. Control	8/17/2001		AI ENTERPRISES, INC.	JAPAN	KEYLON, et al.	8/17/2004
65883	Gyr. Crn w/Tramp Iron Rel. (US 4615481)	9/24/1993		TI SERVICES, INC.	KOREA	BATCH/STAFFORD	
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	LUXEMBURG	JAKOB	8/8/2002
187954	Mh. & App. For Htg. An Asph. Pvg. Sreend	2/2/1998		CARLSON	MEXICO	RAYMOND	
185289	Law Crn. Tog Beam Lock (US 4783013)			TELSMITH	MEXICO		
0 381882	Mh. & App. For Making Asph. App. Pavement	7/28/1995	4/4/2009	RI PROPERTIES, INC.	NTHLANDS	BROCK, et al.	4/4/2001
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	NTHLANDS	JAKOB	8/8/2001
678131	Asph. Drum Mkr. Hvg. Temp. Sensor Enrl.	12/31/1997		AI ENTERPRISES, INC.	NTHLANDS	KEYLON, et al.	3/1/2001
882493	Gyr. Cr. w/Auto Tram Iron Rel(US 4815481)		4/5/2003	TI SERVICES, INC.	S.AFR.	BATCH, et al.	
882773	Torque Lim. Gyr. Crush (US4888082)		4/14/2008	TI SERVICES, INC.	S.AFR.	BREMER	
8818122	Law Crn. Tog Beam Lock (US 4783013)	11/8/1998	8/18/2008	TI SERVICES, INC.	S.AFR.	POLZIN	8/1/2001
988705	Rock Crsh. Hvg. Crshg.-Enhancing Inertrts	2/24/1999	9/23/2018	TI SERVICES, INC.	S.AFR.	STAFFORD, et al.	9/23/2001
88303288	Mh. & App. For Making Asph. App. Pavement	7/28/1995	4/8/2009	RI PROPERTIES, INC.	SPAIN	BROCK, et al.	4/4/2001
88307244-9	Shuttlebuggy (US 4818139)	8/5/1998	8/5/2008	RI PROPERTIES, INC.	SPAIN	BROCK, et al.	8/5/2002
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	SPAIN	JAKOB	8/8/2002
	Self-Loading Mobile Crusher System			TRENCOR, INC.	SPAIN		11/1/2001
0 308152	Shuttlebuggy (US 4818139)	8/5/1998	8/8/2008	RI PROPERTIES, INC.	SWEDEN	BROCK, et al.	8/5/2002
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	SWEDEN	JAKOB	8/8/2002
308152	Shuttlebuggy (US 4818139)	8/5/1998	8/8/2008	RI PROPERTIES, INC.	SWITZER	BROCK, et al.	8/5/2002
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	SWITZER	JAKOB	8/8/2002
1678783	Control App. For a Pneumatic. Oper. Hpr Fdr.	10/15/1980		BTI (Inc.)	UK		
308152	Shuttle Buggy (US 4818139)	8/5/1998	8/5/2008	RI PROPERTIES, INC.	UK	BROCK, et al.	8/5/2002
2184788	Torque Lim. Gyr. Crush (US5468082)	10/13/1989	4/8/2008	TI SERVICES, INC.	UK	BREMER	4/8/2002
2188283	Gyr. Crn w/Tramp Iron Rel. (US4815481)	11/28/1989	3/28/2008	TI SERVICES, INC.	UK	BATCH	3/28/2001
2214838	Law Crush. Toggle Beam Lock(US4783013)	7/31/1991	8/17/2008	TI SERVICES, INC.	UK	POLZIN	8/17/2001
0 381882	Mh. & App. For Making Asph. App. Pavement	7/28/1995	4/8/2008	RI PROPERTIES, INC.	UK	BROCK, et al.	4/4/2001
0 487634	Asph. Pavemnt Recycling App. (US 4846307)	11/2/1994	8/8/2010	RI PROPERTIES, INC.	UK	JAKOB	8/8/2002
878131	Asph. Drum Mkr. Hvg. Temp. Sensor Enrl.	12/31/1997		AI ENTERPRISES, INC.	UK	KEYLON, et al.	3/1/2001