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To the Director of the U.S. Patent and Trademark Office

Indicate the new address(es) below.

1. Name of conveying party(ies)

Headwaters Incorporated, a Delaware Corporation

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 27, 2009

- ☐ Assignment ☐ Merger
☒ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Wilmington Trust FSB, as Collateral Agent

Internal Address: _____

Street Address: 50 South Sixth Street, Suite 1290

City: Minneapolis

State: MN

Country: USA Zip: 55402

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

See Schedule A

See Schedule A

Additional numbers attached? ☒ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: James Murray

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Suite 125

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6. Total number of applications and patents involved: 254

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- ☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

James D. Murray
Signature

November 11, 2009
Date

James D. Murray
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 68

Documents to be recorded (including cover sheet) should be faxed to (571) 247-2809. MAIL STOP: 00000017 00907652
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Addendum to Cover Patent Security Agreement Cover Page

Name of conveying party(ies)

1. Headwaters CTL, LLC, a Utah limited liability company, USA
2. Headwaters Heavy Oil, LLC, a Utah limited liability company, USA
3. Headwaters Resources, Inc., a Utah Corporation, USA
4. Headwaters Technology Innovation Group, Inc., a Utah Corporation, USA
5. Tapco International Corporation, a Michigan Corporation, USA

Schedule A

Intellectual Property

Patents

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Covol Technologies, Inc. [Headwaters Incorporated is successor]	PROCESS FOR REDUCTION OF IRON WITH SOLID FUEL OBJECTS AS AMENDED BY EXAM	US	08/907,652	8-Aug-91	5,807,420	15-Sep-98
Environmental Technologies Group International, Inc. [Headwaters Incorporated is successor]	RECLAIMING AND UTILIZING DISCARDED AND NEWLY FORMED COKE BREEZE, COAL FINES, AND BLAST FURNACE REVERT MATERIALS AND RELATED METHODS	US	08/184,099	21-Jan-94	5,453,103	26-Sep-95
Covol Technologies, Inc. [Headwaters Incorporated is successor]	RECLAIMING AND UTILIZING DISCARDED AND NEWLY FORMED COKE BREEZE, COAL FINES, AND BLAST FURNACE REVERT MATERIALS AND RELATED METHODS	US	08/354,693	13-Dec-94	5,487,764	30-Jan-96
Covol Technologies, Inc. [Headwaters Incorporated is successor]	PROCESS FOR RECOVERING IRON FROM IRON-CONTAINING MATERIAL	US	08/468,104	6-Jun-95	5,589,118	31-Dec-96
Covol Technologies, Inc. [Headwaters Incorporated is successor]	RECLAIMING AND UTILIZING DISCARDED AND NEWLY FORMED COKE BREEZE, COAL FINES, AND BLAST FURNACE REVERT MATERIALS AND RELATED METHODS	US	08/591,851	25-Jan-96	5,599,361	4-Feb-97
Covol Technologies, Inc. [Headwaters Incorporated is successor]	BLAST FURNACE FUEL FROM RECLAIMED CARBONACEOUS MATERIALS AND RELATED METHODS	US	08/749,752	15-Nov-96	5,752,993	19-May-98
Covol Technologies, Inc. [Headwaters Incorporated is successor]	PROCESS FOR RECOVERING IRON FROM IRON-CONTAINING MATERIAL	US	08/770,605	19-Dec-96	5,738,694	14-Apr-98
Covol Technologies, Inc. [Headwaters Incorporated is successor]	PROCESS FOR RECOVERING IRON FROM IRON-RICH MATERIAL	US	99832	18-Jun-98	5,922,261	13-Jul-99

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters CTL, I.I.C	EBULLATED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX FROM FISHER	GCC	GCC/2007/0891 7	18-Aug-07		
Headwaters CTL, I.I.C	EBULLATED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX FROM FISHER	PCT	PCT/US2007/07 6954	28-Aug-07		
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	ARTIFICIAL REEFS MANUFACTURED FROM COAL COMBUSTION BY-PRODUCTS	US	07/873,650 ✓	23-Apr-92	5199377	6-Apr-93
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	ASPHALTIC ROOFING MATERIAL AND METHOD WITH FLY ASH FILLER	Canada	2068362.7	11-May-92	2068362	31-May-94
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	METHOD AND APPARATUS FOR REDUCING CARBON CONTENT IN PARTICULATE MIXTURES	US	08/012,999 ✓	3-Feb-93	5299692	5-Apr-94
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	ASPHALTIC ROOFING MATERIAL WITH CLASS F FLY ASH FILLER	US	08/051,162 ✓	22-Apr-93	5391417	21-Feb-95
Michigan Ash Sales Company [Headwaters Resources, Inc. is successor]	METHOD AND APPARATUS FOR CONTINUOUSLY PROCESSING PARTICULATE CEMENTITIOUS MATERIAL AND FLY ASH SOLIDS AND MIXING THEM WITH A LIQUID TO PROVIDE A LIQUID SLURRY OF CONSISTENT PROPORTIONS	US	08/166,723 ✓	13-Dec-93	5433520	18-Jul-95
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	METHOD AND APPARATUS FOR REDUCING CARBON CONTENT IN FLY ASH	US	08/222,102 ✓	4-Apr-94	5513755	7-May-96
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	METHOD OF MAKING ASPHALTIC ROOFING MATERIAL CONTAINING CLASS F FLY ASH FILLER	US	08/334,244 ✓	4-Nov-94	5565239	15-Oct-96
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	ULTRASONIC CONDITIONING AND WET SCRUBBING OF FLY ASH	US	09/040,515 ✓	17-Mar-98	5840179	24-Nov-98
JTM Industries, Inc. [Headwaters Resources, Inc. is successor]	ULTRASONIC CONDITIONING AND WET SCRUBBING OF FLY ASH	US	09/135,683 ✓	18-Aug-98	5988396	23-Nov-99
Headwaters Resources, Inc.	MASONRY MORTAR AND STUCCO CEMENT COMPOSITIONS	Canada	2385606	21-Sep-00		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	CONTROL OF AMMONIA EMISSION FROM AMMONIA LADEN FLY ASH IN CONCRETE	European Patent Convention	1916439.1	7-Mar-01	1296907	7-Mar-01
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	CONTROL OF AMMONIA EMISSION FROM AMMONIA LADEN FLY ASH IN CONCRETE	United Kingdom	1916439.1	7-Mar-01		
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	CONTROL OF AMMONIA EMISSION FROM AMMONIA LADEN FLY ASH IN CONCRETE	France	1916439.1	7-Mar-01		
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	CONTROL OF AMMONIA EMISSION FROM AMMONIA LADEN FLY ASH IN CONCRETE	Germany	1916439.1	7-Mar-01		
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	FIBER REINFORCED AERATED CONCRETE AND METHODS OF MAKING SAME	US	09/871,089	31-May-01	6773500	10-Aug-04
Headwaters Resources, Inc.	MASONRY MORTAR AND STUCCO CEMENT COMPOSITIONS	US	10/088,291	29-Jul-02	7101430	5-Sep-06
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	METHOD FOR ACCELERATING SETTING OF CEMENT AND THE COMPOSITIONS PRODUCED THEREFROM	US	10/228,008	26-Aug-02	6827776	7-Dec-04
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	METHOD OF DELAYING THE SET TIME OF CEMENT AND THE COMPOSITIONS PRODUCED THEREFROM	US	10/228,009	26-Aug-02	6740155	25-May-04
ISG Resources, Inc. [Headwaters Resources, Inc. is successor]	CONTROL OF AMMONIA EMISSION FROM AMMONIA LADEN FLY ASH IN CONCRETE	US	10/130,333	23-Sep-02	6790264	14-Sep-04
Headwaters Incorporated	METHOD AND SYSTEM FOR REDUCING AMMONIA SLIP AFTER SELECT REDUCTION OF NOX	Canada	2578048	6-Sep-05		
Headwaters Incorporated	METHOD AND SYSTEM FOR REDUCING AMMONIA SLIP AFTER SELECT REDUCTION OF NOX	China (Peoples Republic)	580032330.8	6-Sep-05		
Headwaters Incorporated	METHOD AND SYSTEM FOR REDUCING AMMONIA SLIP AFTER SELECT REDUCTION OF NOX	European Patent Convention	5796075.9	6-Sep-05		
Headwaters Incorporated	METHOD AND DEVICE FOR PRE-TREATING FLY ASH	CA	2,577,970	7-Sep-05	2577970	11-Jun-07

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Incorporated	METHOD AND SYSTEM FOR PRE-TREATING FLY ASH	CHINA	580030129.6	7-Sep-05		
Headwaters Incorporated	METHOD AND SYSTEM FOR PRE-TREATING FLY ASH	EUROPE	5795168.3	7-Sep-05		
Headwaters Incorporated	METHOD AND SYSTEM FOR PRE-TREATING FLY ASH	US	11/662034 ✓	7-Sep-05		
Headwaters Incorporated	METHOD AND SYSTEM FOR PRE-TREATING FLY ASH	PCT	PCT/US05/31820	7-Sep-05		
Headwaters Incorporated	CEMENTITIOUS MIXTURES AND METHODS OF USE THEREOF	US	10/557,756 ✓	2-Jun-04		
Headwaters Incorporated	METHOD AND SYSTEM FOR PRE-TREATING FLY ASH	Mexico	2007/002529	1-Mar-07		
Headwaters Incorporated	METHOD AND SYSTEM FOR REDUCING AMMONIA SLIP AFTER SELECT REDUCTION OF NOX	US	11/662,035 ✓	6-Sep-05		
Headwaters Incorporated	METHOD AND SYSTEM FOR REDUCING AMMONIA SLIP AFTER SELECT REDUCTION OF NOX	Japan	2007-531360	8-Mar-07		
Headwaters Incorporated	METHOD AND SYSTEM FOR PRE-TREATING FLY ASH	Japan	2001-509338	8-May-07		
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYST AND PROCESS FOR CATALYTIC OXIDATION OF VOLATILE ORGANIC COMPOUNDS	US	08/700201 ✓	20-Aug-96	5851948	22-Dec-98
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	DISPERSED ANION-MODIFIED IRON OXIDE CATALYST	US	08/745541 ✓	1-Nov-96	5871638	16-Feb-99
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	TREATING MUNICIPAL SOLID WASTE FOR PRODUCING HYDROCARBON FUEL PRODUCTS	US	09/099,981 ✓	19-Jul-98	6,000,639	14-Dec-99
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST & PROCESS FOR DIRECT CATALYTIC PRODUCTION OF HYDROCARBON PEROXIDE	US	09/140265 ✓	26-Aug-98	6168775	2-Jan-01
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	DISPERSED ANION-MODIFIED PHOSPHORUS PROMOTED IRON OXIDE CATALYSTS	CN	98122746.5	30-Nov-98	98122746.5	7-May-03

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	IRON-BASED IONIC LIQUID CATALYSTS FOR HYDROPROCESSING CARBONACEOUS FEEDS	US	09/238310	28-Jan-99	6139723	31-Oct-00
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYTIC MULTISTAGE PROCESS FOR HYDROGENATING AND REFINING HYDROCARBON FEEDS	US	09/241505	1-Feb-99	6190542	20-Feb-01
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SKELETAL IRON CATALYST AND ITS PREPARATION FOR FISCHER-TROPSCH SYNTHESIS PROCESSES	US	09/399853	21-Sep-99	6265451	24-Jul-01
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SKELETAL IRON CATALYST HAVING IMPROVED ATTRITION RESISTANCE & PRODUCT SELECTIVITY IN SLURR-PHASE SYNTHESIS PROCESSES	US	09/399852	21-Sep-99	6277895	21-Aug-01
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYTIC HYDROGENATION OF DIGESTED MUNICIPAL SOLID WASTE MATERIALS	US	09/533000	22-Mar-00	6270655	7-Aug-01
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	PROCESS FOR SELECTIVE OXIDATION OF ORGANIC FEEDSTOCKS WITH HYDROGEN PEROXIDE	US	09/733154	8-Dec-00	6500968	31-Dec-02
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	REGENERATION OF USED SUPPORTED NOBLE METAL CATALYSTS	US	09/745510	22-Dec-00	6740615	25-May-04
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	COALESCENCE ENHANCED GRAVITY SEPARATION OF IRON CATALYST FROM FISCHER-TROPSCH CATALYST/WAX SLURRY	US	09/825802	4-Apr-01	6476086	5-Nov-02
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYTIC DIRECT PRODUCTION OF HYDROGEN PEROXIDE FROM HYDROGEN AND OXYGEN FEEDS	US	09/867190	29-May-01	6576214	10-Jun-03
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST AND PROCESS FOR OXIDATION AND REMOVAL OF NOX FROM COMBUSTION GASES	US	10/038120	9-Nov-01	6875409	5-Apr-05
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	INTEGRATED PROCESS AND DUAL-FUNCTION CATALYST FOR OLEFIN EXPOXIDATION	US	09/996920	30-Nov-01	6534661	18-Mar-03
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CARBONOUS CATALYST PARTICLES AND METHOD FOR MAKING AND UTILIZING SAME	US	10/014955	11-Dec-01	6906000	14-Jun-05

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Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	INTEGRATED HYDROGEN PEROXIDE PRODUCTION AND ORGANIC CHEMICAL OXIDATION	US	10/014068 ✓	11-Dec-01	6500969	31-Dec-02
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NOBLE METAL NANOMETER CATALYST PARTICLES CONTAINING CONTROLLED (111) CRYSTAL FACE EXPOSURE	US	10/066289 ✓	31-Jan-02	6746397	8-Jun-04
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	PROMOTED SKELETAL IRON CATALYSTS FOR FISCHER-TROPSCH SYNTHESIS PROCESSES	US	10/107915 ✓	27-Mar-02	6777452	17-Aug-04
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	INTEGRATED PROCESS FOR THE PRODUCTION OF HYDROCARBON LIQUIDS AND AMMONIA	US	10/212534 ✓	6-Aug-02	6586480	1-Jul-03
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	APPARATUS FOR HYDROCRACKING AND/OR HYDROGENATING FOSSIL FUELS	US	10/225937 ✓	22-Aug-02	6960325	1-Nov-05
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SLURRY-PHASE SKELETAL IRON CATALYST PROCESS FOR SYNTHESIS GAS CONVERSION TO HYDROCARBON	US	10/267236 ✓	8-Oct-02	6903141	7-Jun-05
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST HAVING CONTROLLED (111) CRYSTAL FACE EXPOSURE	WO	US02/32326	9-Oct-02		
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYSTS HAVING CONTROLLED (111) CRYSTAL FACE EXPOSURE	EP	02806681.9	9-Oct-02		
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROPEROXIDE PRODUCTION	WO	US02/032623	11-Oct-02		
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	APPARATUS FOR HYDROCRACKING AND/OR HYDROGENATING FOSSIL FUELS	WO	US02/036509	13-Nov-02		
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	UNITED PROCESS FOR PRODUCING HYDROCARBON PRODUCTS AND AMMONIA	CN	02157452.9	19-Dec-02	CN1266091C	26-Jul-06
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	REGENERATION OF SPENT SUPPORTED METAL CATALYSTS	US	10/326042 ✓	20-Dec-02	6908873	21-Jun-05

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	REGENERATION OF SPENT SUPPORTED METAL CATALYSTS	WO	US03/09216	25-Mar-03		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	DIRECT HYDROGEN PEROXIDE PRODUCTION USING STAGED HYDROGEN ADDITION	US	10/401351 ✓	28-Mar-03	7067103	27-Jun-06
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	HYDROGEN PEROXIDE PRODUCTION USING STAGED HYDROGEN ADDITION	WO	US03/13907	6-May-03		
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NOBLE METAL PHASE-CONTROLLED CATALYST AND METHODS FOR MAKING AND USING THE CATALYST	US	10/431693 ✓	7-May-03	6919065	19-Jul-05
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH COMPOSITIONS	US	10/618909 ✓	14-Jul-03	7045479	16-May-06
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	US	10/618808 ✓	14-Jul-03	7011807	14-Mar-06
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ADJUVANT-CONTAINING SKELETON IRON CATALYST FOR FISCHER-TROPSCH SYNTHESIS PROCESS AND ITS PREPARATION METHOD	CN	03154897.0	19-Aug-03	CN10035884 6	2-Jan-08
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SLURRY-PHASE SKELETAL IRON CATALYST PROCESS FOR SYNTHESIS GAS CONVERSION TO HYDROCARBON	CN	200310101527.5	8-Oct-03	CN1293027C	3-Jan-07
Hydrocarbon Technologies, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROPEROXIDE PRODUCTION	CN	02824498.2	11-Oct-02		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROPEROXIDE PRODUCTION	JP	2004-522934	11-Jun-04		

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Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH COMPOSITIONS	WO	US04/019439	17-Jun-04		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROPEROXIDE PRODUCTION	EP	02807617.2	24-Jun-04	1461328	10-Jan-07
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	BE	02807617.2	24-Jun-04	1461328	10-Jan-07
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	FR	02807617.2	24-Jun-04	1461328	10-Jan-07
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	DE	60217548.8	24-Jun-04	1461328	10-Jan-07
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	IT	23184BE/2007	24-Jun-04	1461328	10-Jan-07
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	NL	02807617.2	24-Jun-04	1461328	10-Jan-07
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	PROCESS FOR DIRECT CATALYTIC HYDROGEN PEROXIDE PRODUCTION	US	10/897,493 ✓	23-Jul-04	7,144,565	5-Dec-06
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	PROCESS FOR DIRECT CATALYTIC HYDROGEN PEROXIDE PRODUCTION	US	10/897,493 ✓	23-Jul-04	7,144,565	5-Dec-06
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CATALYSTS HAVING CONTROLLED (111) CRYSTAL FACE EXPOSURE	JP	2003-563718	30-Jul-04		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	US	10/990616 ✓	17-Nov-04		
Hydrocarbon Technologies Innovation Group, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	LIQUID RECYCLE INLET DISTRIBUTOR FOR REACTION VESSEL USED IN HYDROCONVERSION OF FOSSIL FUELS	US	11/044690 ✓	27-Jan-05	7,350,962	1-Apr-08

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Hydrocarbon Technologies Innovation Group, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	FEEDSTREAM INLET SPARGER FOR REACTION VESSEL USED IN HYDROCONVERSION OF FOSSIL FUELS	US	11/044683 ✓	27-Jan-05	7448603	11-Nov-08
Hydrocarbon Technologies Innovation Group, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	GRID PLATE BUBBLE CAP FOR REACTION VESSEL USED IN HYDROCONVERSION OF FOSSIL FUELS	US	11/044947 ✓	27-Jan-05	7370847	13-May-08
Hydrocarbon Technologies Innovation Group, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	REACTOR CUP SHELL-IN-SHELL RISER FOR REACTION VESSEL USED IN HYDROCONVERSION OF FOSSIL FUELS	US	11/044920 ✓	27-Jan-05	7449155	11-Nov-08
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	NANOCATALYST ANCHORED ONTO ACID FUNCTIONALIZED SOLID SUPPORT AND METHODS OF MAKING AND USING SAME	US	11/103,824 ✓	12-Apr-05	7,045,481	16-May-06
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	ORGANICALLY COMPLEXED NANOCATALYSTS IMPROVING COMBUSTION PROPERTIES OF FUELS AND FUEL-COMPOSITIONS INCORPORATING SUCH CATALYSTS	US	11/104324 ✓	12-Apr-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	US	11/103676 ✓	12-Apr-05		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	TITANIUM DIOXIDE NANOPARTICLES AND NANOPARTICLE SUSPENSIONS AND METHODS OF MAKING THE SAME	US	11/106831 ✓	15-Apr-05	7326399	5-Feb-08
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	US	11/117203 ✓	28-Apr-05	7517446	14-Apr-09
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	US	11/117202 ✓	28-Apr-05	7449103	11-Nov-08

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING COLLOIDAL OR MOLECULAR CATALYST	US	11/117262 ✓	28-Apr-05		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND UPGRADING OF EXISTING SYSTEM	WO	US05/014669	28-Apr-05		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING OF EXISTING BED SYSTEM	WO	US05/014435	28-Apr-05		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	WO	US05/014411	28-Apr-05		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	BR	P105103045	28-Apr-05		
Headwaters Heavy Oil, LLC	METHOD FOR REDUCING NOX DURING COMBUSTION OF COAL IN A BURNER	US	11/129833 ✓	16-May-05	7357903	15-Apr-08
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REGENERATION OF SPENT SUPPORTED METAL CATALYSTS	CA	2508612	1-Jun-05		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REGENERATION OF USED SUPPORTED NOBLE METAL CATALYSTS	EP	03714398.9	20-Jul-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	DIRECT HYDROGEN PEROXIDE PRODUCTION USING STAGED HYDROGEN ADDITION	US	11/211283 ✓	25-Aug-05	7105143	12-Sep-06
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SELECTIVE HYDROGENATION OF NITRO GROUPS OF HALONITRO AROMATIC COMPOUNDS	US	11/216407 ✓	31-Aug-05	7288500	30-Oct-07

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	LOW TEMPERATURE PREPARATION OF SUPPORTED NANOPARTICLE CATALYSTS HAVING INCREASED DISPERSION	US	11/216442 ✓	31-Aug-05	7396795	8-Jul-08
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	WO	US05/037345	19-Oct-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	BR	P10517783-9	19-Oct-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	METHODS OF MANUFACTURING FUEL CELL ELECTRODES INCORPORATING HIGHLY DISPERSED NANOPARTICLE CATALYSTS	US	11/264918 ✓	1-Nov-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYSTS	WO	US05/042841	28-Nov-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	NANO-CATALYST ANCHORED ONTO ACID FUNCTIONALIZED SOLID SUPPORT AND METHODS OF MAKING AND USING SAME	WO	US05/043775	6-Dec-05		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	US	11/325908 ✓	5-Jan-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	US	11/327085 ✓	6-Jan-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	CA	2532166	11-Jan-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYST HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	BR	P104125380	12-Jan-06		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	KR	2006-700927	13-Jan-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	CN	200480020288.3	16-Jan-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	JP	2006-520177	16-Jan-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	IN	297/DELNP/06	17-Jan-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	EP	04755557.8	18-Jan-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CRYSTALLINE NANOCATALYSTS FOR IMPROVING COMBUSTION PROPERTIES OF FUELS AND FUEL COMPOSITIONS INCORPORATING SUCH CATALYSTS	US	11/351661 ✓	9-Feb-06		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEMS FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	US	11/374369 ✓	13-Mar-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	COMPLEXED NANOCATALYSTS, FUEL COMPOSITIONS INCORPORATING SUCH CATALYSTS, AND METHODS MAKING AND USING SUCH NANOCATALYSTS AND COMPOSITIONS.	WO	US06/009387	16-Mar-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	US	11/378057 ✓	17-Mar-06		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	US	11/378877 ✓	17-Mar-06	7514476	7-Apr-09
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	METHOD FOR MANUFACTURING SUPPORTED NANOCATALYSTS HAVING AN ACID-FUNCTIONALIZED SUPPORT	US	11/393334 ✓	30-Mar-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED NANOCATALYSTS AND METHODS FOR USING SUPPORTED NANOCATALYSTS	WO	US06/013227	10-Apr-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	US	11/435580 ✓	16-May-06	7541309	2-Jun-09
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	FISCHER-TROPSCH CATALYSTS INCORPORATING PROMOTER FOR INCREASING YIELDS OF C3+ HYDROCARBONS AND METHODS FOR MAKING AND USING SAME	US	11/457548 ✓	14-Jul-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	US	11/461652 ✓	1-Aug-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING ARYL-ARYL COUPLED POLYMERS	US	11/461608 ✓	1-Aug-06	7547757	16-Jun-09
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	EXPANDED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX PRODUCED BY FISCHER-TROPSCH REACTION AND CONTAMINATED WITH SOLIDS	US	11/469237 ✓	31-Aug-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING BIMETALLIC CATALYSTS HAVING A CONTROLLED CRYSTAL FACE EXPOSURE	US	11/537462 ✓	29-Sep-06		

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Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	METHODS OF PURIFYING POLYMERS USING SOLID SCAVENGERS	US	11/538339 ✓	3-Oct-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	US	11/539042 ✓	5-Oct-06		
Headwaters Nanokinetix, Inc. [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	WO	US06/039303	6-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	IN	5922/DELNP/06	11-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	IN	5921/DELNP/06	11-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	CN	200580013864	25-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	CA	2564346	26-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	CA	2564359	26-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	CA	2564342	26-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	CN	200580013891	26-Oct-06		

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Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	MX	2006/012581	27-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	KR	10-06-7022515	27-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	MX	2006/012528	27-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	KR	10-06-7022511	27-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	MX	2006/012582	27-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	KR	10-06-7022516	27-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	JP	2007-510923	30-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	JP	2007-510927	30-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	JP	2007-510988	30-Oct-06		

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Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	BR	P10510346-0	14-Nov-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	EP	05739913.1	21-Nov-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	EP	05772351.2	21-Nov-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	EP	05741051.6	21-Nov-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	RU	2006141838	27-Nov-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	RU	2006141836	27-Nov-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	TH	0601006234	13-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	TH	0601006235	13-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	VE	2946/2006	19-Dec-06		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	VE	2945/2006	19-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING CARBON NANOSTRUCTURES HAVING MINIMAL SURFACE FUNCTIONAL GROUPS	US	11/614011 ✓	20-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	HK	06114277.9	29-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCRACKING CATALYST PRECURSOR COMPOSITION AND METHODS OF MAKING AND USING SUCH COMPOSITIONS	WO	US07/060049	3-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	WO	US07/060047	3-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	WO	US07/060045	3-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD OF MANUFACTURING SUPPORTED CATALYST FROM A POROUS SUPPORT AND A NANOCATALYST SOLUTION	US	11/619866 ✓	4-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCRACKING CATALYST PRECURSOR COMPOSITION AND METHODS OF MAKING AND USING SUCH COMPOSITIONS	TW	096100600	5-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HC4 CATALYST CONTAINING MOLYBDENUM AND COBALT	TW	096100603	5-Jan-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCRACKING CATALYST PRECURSOR COMPOSITION AND METHODS OF MAKING AND USING SUCH COMPOSITIONS	GC	2007/7557	6-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME AND METHODS FOR MAKING SAME	GC	2007/7558	6-Jan-07		
Headwaters Heavy Oil, LLC	METHOD AND MIXING SYSTEM FOR INTRODUCING CATALYST PRECURSORS INTO HEAVY OIL FEEDSTOCK	TH	0701000455	1-Feb-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	WO	US07/061655	6-Feb-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NANOCATALYST PARTICLES MANUFACTURED BY HEATING COMPLEXED CATALYST ATOMS	US	11/673552 ✓	9-Feb-07	7534741	19-May-09
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	CA	2579785	7-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	TH	0701001051	8-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	TH	0701001052	8-Mar-07		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEM FOR INTRODUCING CATALYST PRECURSORS INTO HEAVY OIL FEEDSTOCK	TW	096108263	9-Mar-07		

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Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEMS FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	WO	US07/063819	12-Mar-07		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEMS FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	GC	P/2007/7921	12-Mar-07		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEM FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	VF		13-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	WO	US07/063874	13-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED COLLOIDS AND METHODS OF MAKING SAME	WO	US07/063879	13-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	GC	P/2007/7924	14-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	TW	096109185	16-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	EP	05858246.1	21-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANORINGS MANUFACTURED USING SOLID CATALYST PARTICLES	TW	096111322	30-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	KR	10-07-7008177	10-Apr-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	TW	096113141	13-Apr-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	IN	2930/DELNP/07	19-Apr-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	GC	2007/8198	21-Apr-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABILIZED SUSPENSION OF TITANIUM DIOXIDE NANOPARTICLES AND METHODS OF MANUFACTURE	US	11/743528 ✓	2-May-07	7344591	18-Mar-08
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	CN	200580038912	11-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	WO	US07/068928	15-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	MX	2007/005836	15-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	EP	05852241.8	15-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	JP	2007-543055	17-May-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	IN	4121/DELNP/07	31-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	KR	10-07-7012416	1-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	BR	PI051002-9	11-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	CN	200580043550	14-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST FOR SELECTIVE HYDROGENATION OF NITRO GROUPS OF HALONITRO AROMATIC COMPOUNDS	US	11/764512 ✓	18-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	CA	2594019	22-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	AU	2005325150	28-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	TW	096124316	4-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	GC	2007/8658	7-Jul-07		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	MX	2007/008415	10-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	IRON-CONTAINING FUEL ADDITIVES FOR REDUCING PARTICULATES GENERATED DURING COMBUSTION	US	11/777624 ✓	13-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	JP	2007-551248	13-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	FISCHER-TROPSCH CATALYSTS INCORPORATING PROMOTER FOR INCREASING YIELDS OF C5+ HYDROCARBONS AND METHODS FOR MAKING AND USING SAME	WO	US07/073500	13-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING ARYL-ARYL COUPLED POLYMERS	TW	096127167	25-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	TW	096128318	1-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING ARYL-ARYL COUPLED POLYMERS	WO	US07/074922	1-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MAKING IMMOBILIZED ARYL-CONTAINING LIGANDS	US	11/838067 ✓	13-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	EXPANDED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX PRODUCED BY FISCHER-TROPSCH REACTION AND CONTAMINATED WITH SOLIDS	GC	2007/8917	18-Aug-07		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	EBULLATED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX FROM FISCHER-TROPSCH REACTION	WO	US07/076954	28-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROGEN STORAGE USING POROUS CARBON NANOSPHERES	US	11/850581 ✓	5-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NICKEL CATALYSTS HAVING HIGH NICKEL LOADING AND HIGH METAL DISPERSION AND METHODS OF MAKING SAME	WO	US07/078896	19-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSABLE CARBON NANOSPHERES IN A POLAR SOLVENT AND METHOD FOR MAKING SAME	US	11/860373 ✓	24-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED NANOCATALYSTS AND METHODS FOR USING SUPPORTED NANOCATALYSTS	EP	06740774.2	26-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING BIL-METALLIC CATALYSTS HAVING A CONTROLLED CRYSTAL FACE EXPOSURE	WO	US07/079555	26-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANO-CATALYST ANCHORED ONTO ACID FUNCTIONALIZED SOLID SUPPORT AND METHODS OF MAKING AND USING SAME	EP	05852861.3	26-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR PURIFYING POLYMERS USING SOLID SCAVENGERS	WO	US07/079910	28-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSABLE CARBON NANOSPHERES IN AN ORGANIC SOLUTION AND METHODS FOR MAKING SAME	US	11/869545 ✓	9-Oct-07		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	FUNCTIONALIZATION OF CARBON NANOSPHERES BY SEVERE OXIDATIVE TREATMENT	US	11/869519 ✓	9-Oct-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANO-CATALYST ANCHORED ONTO ACID FUNCTIONALIZED SOLID SUPPORT AND METHODS OF MAKING AND USING SAME	JP	2008-506440	11-Oct-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNETITE POWDER AND METHODS FOR MAKING SAME	US	11/925147 ✓	26-Oct-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR INCREASING CATALYST CONCENTRATION IN HEAVY OIL AND/OR COAL RESID HYDROCRACKER	US	11/932201 ✓	31-Oct-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED NANOCATALYSTS AND METHODS FOR USING SUPPORTED NANOCATALYSTS	JP	2008-510011	6-Nov-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD FOR MANUFACTURING CARBON NANOSTRUCTURES HAVING MINIMAL FUNCTIONAL GROUPS	TW	096142573	9-Nov-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING CARBON NANOSTRUCTURES HAVING MINIMAL FUNCTIONAL GROUPS	WO	US07/087779	17-Dec-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED CATALYST FROM A POROUS SUPPORT AND A NANOCATALYST SOLUTION	WO	US08/050016	2-Jan-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST FOR HYDROCRACKING HYDROCARBONS CONTAINING POLYNUCLEAR AROMATIC COMPOUNDS	US	11/968861 ✓	3-Jan-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	PROCESS FOR INCREASING THE MONO-AROMATIC CONTENT OF POLYNUCLEAR-AROMATIC-CONTAINING FEEDSTOCKS	US	11/968934 ✓	3-Jan-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NANOCATALYST PARTICLES MANUFACTURED BY HEATING COMPLEXED CATALYST ATOMS	WO	US08/053171	6-Feb-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	CA	2619065	12-Feb-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	EP	06836228.4	20-Feb-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	KR	10-08-7005848	10-Mar-08	10-0081610	1-Apr-08
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	KR	10-08-7006495	17-Mar-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METAL COLLOIDS AND METHODS FOR MAKING THE SAME	US	12/056912 ✓	27-Mar-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	CN	200680037322	1-Apr-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	JP		7-Apr-08		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING SYSTEM	US	12/106112 ✓	18-Apr-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	HK	08104947.8	5-May-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST AND METHOD FOR HYDRODESULFURIZATION OF HYDROCARBONS	US	12/140629 ✓	17-Jun-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	BIMETALLIC CATALYSTS AND METHODS FOR CRUDE OIL DESULFURIZATION	US	12/140629 ✓	17-Jun-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	IN		25-Jun-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	MY		2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	MY		2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BI-METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - MY	MY	PI 20082446	2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - MY	MY	PI 20082446	2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CN		3-Jul-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	EP		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	CN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	EP		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	EP		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - IN	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - CHINA	CN		3-Jul-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - IN	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - CN	CN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CA	2636282	4-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	CA	2636361	4-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CA	2636291	4-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	JP		7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	JP		7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	JP		7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - JP	JP		7-Jul-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIL-METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - JP	JP	PI 20082446	7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	KR	10-08-7017393	17-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	IN		21-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	EP		22-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	CA	2640107	23-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD FOR REDUCING NOX DURING COMBUSTION OF COAL IN A BURNER BY OPTIMIZING COMBUSTION AIR FLOW	US	12/182636 ✓	30-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MAKING IMMOBILIZED ARYL-CONTAINING LIGANDS	PCT	PCT/US08/072001	1-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - KR	KR	10-2008-7019133	4-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	JP		11-Aug-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANOFIBERS AND METHODS OF MAKING SAME AND USING SAME IN ETHANOL SENSORS	US	61/090511 ✓	20-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	US	W00200802781	26-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	KR	10-2008-7021784	5-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSIBLE CARBON NANOSPHERES IN A HYDROPHILIC MATERIAL AND METHODS FOR MAKING SAME	PCT	PCT/US2008/079409	9-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD OF MANUFACTURING HYDROGEN PEROXIDE CATALYST UTILIZING NEUTRALIZING BASE	EPO	07 758 426.6	16-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	CN	07 758 431.6	16-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MAKING IMMOBILIZED ARYL-CONTAINING LIGANDS	US	12/389522 ✓	20-Feb-09		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	DISPERSIBLE CARBON NANOSPHERES AND METHODS FOR MAKING SAME	US	12/409168 ✓	23-Mar-09		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD OF MANUFACTURING MULTICOMPONENT NANOPARTICLES	US	12/421208 ✓	9-Apr-09		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ZEOLITE MEMBRANE AND METHODS OF MAKING AND USING SAME FOR WATER DESALINATION	US	12/429899 ✓	24-Apr-09		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - MY	MY	PI 20082445	2-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME	CN		3-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BI-METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - EPO	EPO	07 709 926.5; pub 8-Oct-08 as 1 976 633;	3-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - JP	JP		7-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - KR	KR	10-2008- 7017393	17-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSIBLE CARBON NANOSPHERES IN A HYDROPHILIC MATERIAL AND METHODS FOR MAKING SAME - THAILAND	TH	801004762	17-Sept-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	IN		21-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	EPO	07 811 797.5 application pub- lication 22-Oct- 08;	22-July-08;		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSIBLE CARBON NANOSPHERES IN A HYDROPHILIC MATERIAL AND METHODS FOR MAKING SAME - TAIWAN	TW	97136524	23-Sept-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE-BI-METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - KR	KR	1-2008-7018244	24-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - EPO	EPO	07 863 308.8	3-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - CA	CA	Application No. Not Yet Known	4-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	MY		6-Aug-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	CN	200780005126.6	8-Aug-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANOFIGER ETHANOL VAPOR SENSOR	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ADDITION TO HEAT TO SECOND OR THIRD REACTOR	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	APPARATUS AND METHOD FOR MIXING PARTICULATE CATALYST INTO A FEEDSTREAM	US	✓			

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD AND MANUFACTURING CARBON NANOSPHERES USING A DILUTING MONOMER TO PREVENT AGGLOMERATION	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOMATERIAL WITH CATIONIC SURFACTANT BONDED TO THE SURFACE THEREOF	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ZEOLITE MEMBRANES FOR SEA WATER DESALINATION	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	CA				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	CN				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	JP				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	ID				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	KR				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	MY				

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGH TEMPERATURE MIXING OF CATALYST PRECURSOR INTO HEAVY OIL	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	KR				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	KR				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	MY				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	USE OF PRE-TREATMENT POLYMERIC RESIN BED IN DIRECT SYNTHESIS OF H202	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	IMPROVEMENTS FOR REDUCING COKE DEPOSITION IN THERMAL UPGRADING PROCESSES	VE			1625-91	
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	EPO				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	IN				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	JP				

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco Products Company, Inc. [Tapco International Corporation is successor]	ROOF VENT	US	07/293946	05-Jan-1989	4924761	15-May-1990
Tapco Products Company, Inc. [Tapco International Corporation is successor]	WALL MOUNTING ASSEMBLY	US	07/347830	05-May-1989	4920708	01-May-1990
Tapco Products Company, Inc. [Tapco International Corporation is successor]	WALL MOUNTING ASSEMBLY	CA	2011685	07-Mar-1990	2011685	21-Dec-1993
Tapco Products Company, Inc. [Tapco International Corporation is successor]	RIDGE ROOF VENT	US	07/598246	16-Oct-1990	5060431	29-Oct-1991
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	RIDGE VENT FOR HIP ROOF	US	07/786558	01-Jan-1991	5174076	29-Dec-1992
Tapco Products Company, Inc. [Tapco International Corporation is successor]	LOUVERED PLASTIC BUILDING PRODUCT	CA	2051884	19-Sep-1991	2051884	08-Aug-1995
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC BUILDING WALL MOUNT ASSEMBLY	US	07/904384	25-Jun-1992	5326060	05-Jul-1994
Tapco Products Company, Inc. [Tapco International Corporation is successor]	HEAVY DUTY SHEET BENDING BRAKE	US	07/987249	07-Dec-1992	5343728	06-Sep-1994
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	CORNER TRIM PIECE	MX	9301570	19-Mar-1993	182645	13-Sep-1996
Mid-America Building Products Corp. [needs name changed to Tapco International Corporation]	PLASTIC BUILDING WALL MOUNT ASSEMBLY	CA	2099044	23-Jun-1993	2099044	08-Apr-2003
Tapco Products Company, Inc. [Tapco International Corporation is successor]	PORTABLE SHEET BENDING BRAKE	US	08/111978	25-Aug-1993	5353620	11-Oct-1994
Mid-America Building Products Corp. [needs name changed to Tapco International Corporation]	PLASTIC GABLE VENT	US	08/111986	25-Aug-1993	5349799	27-Sep-1994

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco Products Company, Inc. [Tapco International Corporation is successor]	PORTABLE SAW TABLE	US	07/119888	10-Sep-1993	5421231	06-Jun-1995
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC WINDOW ASSEMBLY	US	08/142241	26-Oct-1993	5471803	05-Dec-1995
Tapco International Corporation	COMBINATION SKYLIGHT / STATIC VENTILATOR	US	08/225554	11-Apr-94	5561952	8-Oct-96
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC WINDOW ASSEMBLY	US	08/229544	19-Apr-1994	5491936	20-Feb-1996
Tapco International Corporation	SHEET BENDING BRAKE	US	08/254177	06-Jun-1994	5505069	09-Apr-1996
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC FOUNDATION VENT	US	08/262237	20-Jun-1994	5487701	30-Jan-1996
Tapco Products Company, Inc. [Tapco International Corporation is successor]	HEAVY DUTY SHEET BENDING BRAKE	US	08/268808	30-Jun-1994	5582055	10-Dec-1996
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC BUILDING PRODUCT	US	08/277734	20-Jul-1994	5596852	28-Jan-1997
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC ROOF VENT AND METHOD OF MAKING	US	08/280848	26-Jul-1994	5535558	16-Jul-1996
Tapco International Corporation	PORTABLE SHEET METAL WORK-ROLL APPARATUS	US	08/310431	22-Sep-94	5644940	8-Jul-97
Tapco International Corporation	DENTIL MOLDING APPARATUS AND METHOD FOR SECURING A MOLDING INSERT AND MEMBER	US	08/351796	08-Dec-94	5579617	3-Dec-96
Tapco International Corporation	COMBINED PORTABLE SHEET BENDING BRAKE AND CUTTER	US	08/373080	17-Jan-1995	5582053	10-Dec-1996
Tapco International Corporation	SHUTTER ASSEMBLY AND METHOD OF ASSEMBLING SAME	US	08/465741	06-Jun-1995	5634998	03-Jun-1997
Tapco International Corporation	MODULAR SHUTTER ASSEMBLY INCLUDING A DIE CUT PANEL	US	08/468192	06-Jun-1995	5704182	06-Jan-1998

Owner	Patent Name	Country	App No.		App Date	Reg. No.	Reg. Date
Tapco Products Company, Inc. [Tapco International Corporation is successor]	PORTABLE SAW TABLE	US	08/484977	✓	07-Jun-1995	5651298	29-Jul-1997
Tapco International Corporation	SUPPORT RAIL END CAP FOR A COMPONENT SHUTTER	US	08/488043	✓	07-Jun-1995	5622018	22-Apr-1997
Tapco International Corporation	COMPONENT GABLE VENT APPARATUS AND METHOD OF ASSEMBLING SAME	US	08/494446	✓	26-Jun-1995	5673526	07-Oct-1997
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	ROOF VENT	US	08/373532	✓	17-Jul-1995	5458538	17-Oct-1995
Tapco International Corporation	MODULAR SOFFIT VENT	US	08/554889	✓	09-Nov-1995	5791985	11-Aug-1998
Tapco International Corporation	COMBINED PORTABLE SHEET BENDING BRAKE, COIL HOLDER AND CUT-OFF MECHANISM	US	08/611936	✓	06-Mar-1996	5706692	13-Jan-1998
Tapco International Corporation	DENTIL MOLDING APPARATUS AND METHOD FOR SECURING A MOLDING INSERT AND MEMBER	CA	2171598		12-Mar-96	2171598	13-Sep-05
Tapco International Corporation	SHEET BENDING BRAKE	CA	2171598		12-Mar-1996	2171598	13-Sep-2005
Tapco International Corporation	COMPONENT GABLE VENT APPARATUS AND METHOD OF ASSEMBLING SAME	CA	2172338		21-Mar-1996	2172338	5-Aug-08
Tapco International Corporation	MODULAR SHUTTER ASSEMBLY INCLUDING A DIE CUT PANEL	CA	2172339		21-Mar-1996	2172339	28-Nov-2006
Tapco International Corporation	LINEAL SHUTTER	CA	2206903		21-May-1996	2206903	17-Oct-2006
Tapco International Corporation	MODULAR SOFFIT VENT	CA	2178435		06-Jun-1996	2178435	26-Apr-2005
Tapco International Corporation	PLASTIC BUILDING WALL MOUNT ASSEMBLY	US	08/675472	✓	03-Jul-1996	RE38881	22-Nov-2005
Tapco International Corporation	COMPONENT SHUTTER PANEL ASSEMBLY	US	08/697817	✓	30-Aug-1996	5761865	09-Jun-1998
Tapco International Corporation	COMBINED SHEET BENDING BRAKE AND CUTTER	US	08/714215	✓	16-Sep-1996	5706693	13-Jan-1998
Tapco International Corporation	GABLE VENT	US	08/724531	✓	30-Sep-1996	5729935	24-Mar-1998
Tapco International Corporation	DENTIL MOLDING APPARATUS AND METHOD FOR SECURING A MOLDING INSERT AND MEMBER	US	08/729023	✓	10-Oct-1996	5850717	22-Dec-1998
Tapco International Corporation	HEAVY DUTY SHEET BENDING BRAKE	US	08/756608	✓	26-Nov-1996	5743129	28-Apr-1998

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	AUTOMATIC INDEXER FOR A SHEET BENDING BRAKE	US	08/791192 ✓	31-Jan-1997	5761939	09-Jun-1998
Tapco International Corporation	ADJUSTABLE LEG SUPPORT ASSEMBLY	US	08/840225 ✓	11-Apr-1997	6070696	06-Jun-2000
Vantage Products Corporation [Tapco International Corporation is successor]	ORNAMENTAL SHUTTER	US	08/858232 ✓	19-May-1997	5782052	21-Jul-1998
Vantage Products Corporation [Tapco International Corporation is successor]	EXTERIOR MOUNTING PLATE ASSEMBLY	US	08/858835 ✓	19-May-1997	5775032	07-Jul-1998
Tapco International Corporation	PORTABLE SAW TABLE	US	08/926855 ✓	10-Sep-1997	5868054	09-Feb-1999
Tapco International Corporation	SPLIT-BLOCK RECESS MOUNT APPARATUS	US	08/949278 ✓	13-Oct-1997	5918431	06-Jul-1999
Tapco International Corporation	DOOR SURROUND APPARATUS AND METHOD OF ASSEMBLY	US	08/969257 ✓	13-Nov-1997	6112481	05-Sep-2000
Tapco International Corporation	MODULAR SHUTTER ASSEMBLY INCLUDING A DIE CUT PANEL	US	09/002756 ✓	05-Jan-1998	6023905	15-Feb-2000
Tapco International Corporation	COIL HOLDER FOR A SHEET BENDING BRAKE	US	09/003275 ✓	09-Jan-1998	5992203	30-Nov-1999
Tapco International Corporation	COMPONENT SHUTTER PANEL ASSEMBLY	US	09/023145 ✓	12-Feb-1998	5946873	07-Sep-1999
Tapco International Corporation	HEAVY DUTY SHEET BENDING BRAKE	US	09/067131 ✓	27-Apr-1998	6085569	11-Jul-2000
Tapco International Corporation	MODULAR SOFFIT VENT	US	09/132272 ✓	11-Aug-1998	5947816	07-Sep-1999
Tapco International Corporation	SCORING TOOL	US	09/132583 ✓	11-Aug-1998	6408527	25-Jun-2002
Tapco International Corporation	DOOR AND WINDOW SURROUND	US	09/163590 ✓	20-Sep-98	6276101	21-Aug-01
Tapco International Corporation	DENTIL MOLDING APPARATUS AND METHOD FOR SECURING A MOLDING INSERT AND MEMBER	US	09/207092 ✓	07-Dec-1998	6421964	23-Jul-2002
Tapco International Corporation	VENT APPARATUS	US	09/288842 ✓	08-Apr-1999	6196915	06-Mar-2001
Tapco International Corporation	CUSTOM LENGTH SHUTTER ASSEMBLY	US	09/295123 ✓	20-Apr-1999	6122875	26-Sep-2000
Tapco International Corporation	ELECTRICAL BLOCK	US	09/342572 ✓	29-Jun-1999	6310287	30-Oct-2001
Tapco International Corporation	SUNBURST TRIM ASSEMBLY	US	29/107382 ✓	01-Jul-1999	D424210	02-May-2000
Tapco International Corporation	DECORATIVE TRIM ASSEMBLY	US	09/362774 ✓	28-Jul-1999	6212835	10-Apr-2001
Tapco International Corporation	MODULAR SHUTTER ASSEMBLY INCLUDING A DIE CUT PANEL	US	09/455137 ✓	06-Dec-1999	6141938	07-Nov-2000
Tapco International Corporation	HEAVY DUTY SHEET BENDING BRAKE	US	09/498281 ✓	04-Feb-2000	6389864	21-May-2002

Owner	Patent Name	Country	App No.		App Date	Reg. No.	Reg. Date
Tapco International Corporation	VENTILATION ASSEMBLY	US	09/583799	✓	31-May-2000	6325712	04-Dec-2001
Tapco International Corporation	VENT APPARATUS	US	09/648856	✓	25-Aug-2000	6386972	14-May-2002
Tapco International Corporation	PLASTIC BATTEN SHUTTER	US	09/696488	✓	25-Oct-2000	6374560	23-Apr-2002
Tapco International Corporation	MODULAR SHUTTER ASSEMBLY INCLUDING A DIE CUT PANEL	US	09/706011	✓	03-Nov-2000	6397540	04-Jun-2002
Tapco International Corporation	DECORATIVE MOLDING	US	09/723900	✓	28-Nov-2000	6463707	15-Oct-2002
Tapco International Corporation	PLASTIC WINDOW ASSEMBLY	US	09/724093	✓	28-Nov-2000	6604333	12-Aug-2003
Tapco International Corporation	VENT APPARATUS	US	09/799966	✓	06-Mar-2001	6383072	07-May-2002
Tapco International Corporation	DECORATIVE TRIM ASSEMBLES	US	09/800286	✓	06-Mar-2001	6385927	14-May-2002
Tapco International Corporation	ELECTRICAL BLOCK	US	09/819494	✓	28-Mar-2001	6429371	06-Aug-2002
Tapco International Corporation	PLASTIC BATTEN SHUTTER	CA	2351948		28-Jun-2001	2351948	16-Oct-2007
Tapco International Corporation	VENTILATION ASSEMBLY	US	09/953652	✓	17-Sep-2001	6579171	17-Jun-2003
Tapco International Corporation	OPEN BACK BRAKE	US	10/003025	✓	02-Nov-2001	6571594	03-Jun-2003
Tapco International Corporation	FOLDING TABLE SAW	US	10/022984	✓	17-Dec-2001	6705192	16-Mar-2004
Tapco International Corporation	DECORATIVE MOLDING	US	10/033783	✓	27-Dec-2001	6725614	27-Apr-2004
Tapco International Corporation	CORNER BRICK BLOCK	US	10/066817	✓	04-Feb-2002	6631600	14-Oct-2003
Tapco International Corporation	SHEET BENDING BRAKE	US	10/068408	✓	06-Feb-2002	6675619	13-Jan-2004
Tapco International Corporation	IMPACT-RESISTANT SHUTTER ASSEMBLY	US	10/264476	✓	04-Oct-2002	7174683	13-Feb-2007
Tapco International Corporation	LOCKING ASSEMBLY FOR SHUTTERS	US	10/264477	✓	04-Oct-2002	7062884	20-Jun-2006
Tapco International Corporation	DEVICE FOR PRECISION CUTS ON ALUMINUM AND VINYL SIDING AND OTHER CONSTRUCTION MATERIALS	US	10/339110	✓	09-Jan-2003	6990882	31-Jan-2006
Tapco International Corporation	PLASTIC WINDOW ASSEMBLY	US	10/368677	✓	18-Feb-2003	7024830	11-Apr-2006
Tapco International Corporation	OPEN BACK BRAKE	US	10/404771	✓	01-Apr-2003	6802198	12-Oct-2004
Tapco International Corporation	SINGLE PIECE MOUNTING FRAME	US	10/432528	✓	09-May-03	7510153	31-Mar-09
Tapco International Corporation	PORTABLE TABLE SAW ASSEMBLY	US	10/448679	✓	30-May-2003	7555976	7-Jul-09
Tapco International Corporation	PLASTIC BATTEN SHUTTER	US	10/456439	✓	06-Jun-2003	6968636	29-Nov-2005
Tapco International Corporation	CONTINUOUS PRODUCTION OF PLASTIC SIDING PANELS WITH SEPARATE SHINGLE APPEARANCE	US	10/689137	✓	20-Oct-2003	7008213	07-Mar-2006
Tapco International Corporation	TABLE WITH ROTATABLE SUPPORTS	US	10/715811	✓	18-Nov-2003	6854495	15-Feb-2005
Tapco International Corporation	DEVICE HAVING PIVOTABLE WHEEL MECHANISM	US	10/716105	✓	18-Nov-2003	6901783	07-Jun-2005
Tapco International Corporation	WINDOW WELL	US	10/725219	✓	01-Dec-2003	7171786	06-Feb-2007

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	PIVOT LINK FOR SHEET BENDING BRAKE AND SHEET BENDING BRAKE INCLUDING PIVOT LINK	US	10/759351	16-Jan-2004	7228721	12-Jun-2007
Tapco International Corporation	SAW TABLE	US	10/765551	26-Jan-2004	7047856	23-May-2006
Tapco International Corporation	DECORATIVE TRIM ASSEMBLIES	US	10/766048	28-Jan-2004	7228663	12-Jun-2007
Tapco International Corporation	LOUVERED SHUTTER	US	10/779076	13-Feb-2004		
Tapco International Corporation	SHAKE SIDING PANEL	US	29/207175	09-Jun-2004	D506839	28-Jun-2005
Tapco International Corporation	SHAKE SIDING PANEL	US	29/207253	10-Jun-2004	D507837	26-Jul-2005
Tapco International Corporation	MEASURING DEVICE FOR MEASURING A SHEET OF MATERIAL IN A SHEET BENDING BRAKE	US	10/870886	17-Jun-2004	7043950	16-May-2006
Tapco International Corporation	ADJUSTABLE HOUSING ASSEMBLY	US	10/932664	02-Sep-2004	7549258	23-Jun-09
Tapco International Corporation	SAW TABLE AND CLAMPING MECHANISM THEREFOR	US	10/961869	08-Oct-2004	7373865	20-May-08
Tapco International Corporation	SHEET METAL BENDING BRAKE WITH IMPROVED HINGE	US	10/984124	09-Nov-04	7191631	20-Mar-07
Tapco International Corporation	SPLIT-BLOCK RECESS MOUNT APPARATUS	PCT	04/038184	15-Nov-2004		
Tapco International Corporation	SHEET METAL BENDING BRAKE WITH IMPROVED HINGE	EP	04819137.3	15-Nov-2004		
Tapco International Corporation	SHEET METAL BENDING BRAKE WITH IMPROVED HINGE	CA	2550182	15-Nov-2004		
Tapco International Corporation	WINDOW WELL	CA	2547129	18-Nov-2004		
Tapco International Corporation	ADJUSTABLE CUTOFF	US	10/993161	19-Nov-2004	7117705	10-Oct-2006
Tapco International Corporation	FOLDING TABLE	US	11/009614	10-Dec-2004	7055563	06-Jun-2006
Tapco International Corporation	PLASTIC BATTEN SHUTTER	US	11/072874	04-Mar-2005	7296383	20-Nov-2007
Tapco International Corporation	STORM SHUTTER STILE	US	29/239494	30-Sep-2005	D546975	17-Jul-2007
Tapco International Corporation	STORM SHUTTER RAIL	US	29/239495	30-Sep-2005	D548063	07-Aug-2007
Tapco International Corporation	STORM SHUTTER TRACK	US	29/239501	30-Sep-2005	D541140	24-Apr-2007
Tapco International Corporation	STORM SHUTTER STILE	US	29/239504	30-Sep-2005	D541954	01-May-2007
Tapco International Corporation	FUNCTIONAL SHUTTER	US	11/326111	05-Jan-2006	7392628	1-Jul-08
Tapco International Corporation	WINDOW WELL	CA	2538333	03-Mar-2006		
Tapco International Corporation	STORM PANEL ASSEMBLY	US	11/380010	25-Apr-2006		
Tapco International Corporation	EXTERIOR SIDING MOUNTING BRACKETS WITH A WATER DIVERSION DEVICE	US	11/438165	22-May-2006		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	SHUTTER ASSEMBLY	US	11/428739	05-Jul-2006		
Tapco International Corporation	BI-DIRECTIONAL MOUNTING BRACKET ASSEMBLY FOR EXTERIOR SIDING	US	11/459657	25-Jul-2006	7566034	28-Jul-09
Tapco International Corporation	ADJUSTABLE MOUNTING BRACKET ASSEMBLY FOR EXTERIOR SIDING	US	11/467656	28-Aug-2006	7566035	28-Jul-09
Tapco International Corporation	BI-DIRECTIONAL MOUNTING BRACKET ASSEMBLY FOR EXTERIOR SIDING	CA	2557916	29-Aug-2006		
Tapco International Corporation	SYSTEM AND METHOD FOR MAKING DECORATIVE BUILDING PANELS HAVING A VARIEGATED APPEARANCE	CA	2563142	10-Oct-2006		
Tapco International Corporation	IMPACT-RESISTANT SHUTTER ASSEMBLY	US	11/564624	29-Nov-2006	7296384	20-Nov-2007
Tapco International Corporation	SYSTEM FOR PROVIDING A DECORATIVE COVERING ON A SUPPORT USING PANELS WITH INTERLOCKS	US	11/613470	20-Dec-2006		
Tapco International Corporation	WALL MOUNT ASSEMBLY	US	11/614635	21-Dec-2006	7408111	5-Aug-08
Tapco International Corporation	SIDING PANEL INTERLOCK	CA	2572000	22-Dec-06		
Tapco International Corporation	WATER DEFLECTION APPARATUS FOR USE WITH A WALL MOUNTING BRACKET	CA	TBA	22-Dec-2006		
Tapco International Corporation	MULTIDIRECTIONAL MOUNTING BRACKET ASSEMBLY FOR EXTERIOR SIDING	US	11/623916	17-Jan-2007		
Tapco International Corporation	DECORATIVE TRIM ASSEMBLIES	US	11/625682	22-Jan-2007		
Tapco International Corporation	WINDOW WELL ASSEMBLY	US	11/681425	02-Mar-07		
Tapco International Corporation	PIVOT LINK FOR SHEET BENDING BRAKE AND SHEET BENDING BRAKE INCLUDING PIVOT LINK	US	11/738583	23-Apr-2007		
Tapco International Corporation	PIVOT LINK FOR SHEET BENDING BRAKE AND SHEET BENDING BRAKE INCLUDING PIVOT LINK	US	11/738583	23-Apr-07	7484396	3-Feb-09
Tapco International Corporation	PORTABLE HAND TOOL	US	11/749438	16-May-2007	7516638	14-Apr-09
Tapco International Corporation	POLYMER MOLDING SYSTEM AND METHOD OF OPERATION FOR PRODUCING AN ARTICLE OF MANUFACTURE	US	11/750094	17-May-2007		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	FOAM CORE CEMENT SHUTTER	US	11/767075	22-Jun-2007		
Tapco International Corporation	CEMENT SHUTTER HANGING SYSTEM	CA	2596187	07-Aug-2007		
Tapco International Corporation	CORNER TRIM PIECE	US	29/284162	31-Aug-2007	D574969	12-Aug-08
Tapco International Corporation	CORNER TRIM PIECE	US	29/284164	31-Aug-2007	D574970	12-Aug-08
Tapco International Corporation	CORNER TRIM PIECE	US	29/284166	31-Aug-2007	D574520	12-Aug-08
Tapco International Corporation	SPLIT TILE FOR ATTACHMENT TO A BUILDING STRUCTURE	US	11/868206	05-Oct-2007		
Tapco International Corporation	SHUTTER ASSEMBLY WITH SLIDING T-LOCK	US	11/940100	14-Nov-07		
Tapco International Corporation	IMPACT-RESISTANT SHUTTER ASSEMBLY	CA	124879	29-Feb-08		
Tapco International Corporation	LOCKING ASSEMBLY FOR SHUTTERS	CA	124880	29-Feb-08		
Tapco International Corporation	SHUTTER	CA	124881	29-Feb-08		
Tapco International Corporation	SHEET METAL BENDING BRAKE	US	12/044839	07-Mar-2008	7549311	23-Jun-09
Tapco International Corporation	SHEET METAL BENDING BRAKE	US	12/051376	19-Mar-2008		
Tapco International Corporation	SAW TABLE AND CLAMPING MECHANISM THEREFOR	US	12/107653	22-Apr-08		
Tapco International Corporation	PANEL FOR USE IN A SIDING SYSTEM FOR PROVIDING A DECORATIVE COVERING ON A SUPPORT SURFACE	US	12/188349	08-Aug-08		
Tapco International Corporation	EXTERIOR TRIM PIECES WITH WEATHER STRIPPING AND COLORED PROTECTIVE LAYER	US	12/188833	08-Aug-08		
Tapco International Corporation	EXTERIOR TRIM PIECES WITH WEATHER STRIPPING AND COLORED PROTECTIVE LAYER	CA	2638588	08-Aug-08		
Tapco International Corporation	FLUSH MOUNTED DECORATIVE SIDING SYSTEM WITH SNAP-LOCK ENGAGEMENT	CA	2638590	08-Aug-08		
Tapco International Corporation	EXTERIOR TRIM SYSTEM WITH SNAP-IN CORNER TRIM PIECE	CA	2639253	29-Aug-08		
Tapco International Corporation	EXTERIOR TRIM SYSTEM WITH CORNER TRIM PIECE	US	12/201095	29-Aug-08		
Tapco International Corporation	LOCKABLE SHUTTER ASSEMBLY	US	12/338730	18-Dec-08		
Tapco International Corporation	LOCKING ASSEMBLY FOR SHUTTERS	US	12/339399	19-Dec-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	EXTERIOR SIDING MOUNTING BRACKETS WITH A WATER DIVERSION DEVICE	US	12/390154 ✓	20-Feb-09		
Tapco International Corporation	STONE WORK SIMULATION SYSTEM	US	12/408168 ✓	20-Mar-09		
Tapco International Corporation	STONE WORK SIMULATION SYSTEM	CA	not yet assigned	20-Mar-09		
Tapco International Corporation	ADJUSTABLE HOUSING ASSEMBLY	US	12/489216 ✓	22-Jun-09		
Tapco International Corporation	SHEET METAL BENDING BRAKE WITH IMPROVED HINGE	US	12/490059 ✓	23-Jun-09		
Tapco International Corporation	BI-DIRECTIONAL MOUNTING BRACKET ASSEMBLY FOR EXTERIOR SIDING	US	12/510016 ✓	27-Jul-09		
Tapco International Corporation	ADJUSTABLE MOUNTING BRACKET ASSEMBLY FOR EXTERIOR SIDING	US	12/510824 ✓	28-Jul-09		

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*IP Security Agreement*") dated as of October 27, 2009, is made by the Persons listed on the signature pages hereof (collectively, the "*Grantors*") in favor of WILMINGTON TRUST FSB, as collateral agent (the "*Collateral Agent*") for the benefit of the Secured Parties (as defined in the Security Agreement referred to below).

WHEREAS, HEADWATERS INCORPORATED, a Delaware corporation (the "*Company*"), has entered into an Indenture, dated as of October 27, 2009 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Indenture*"), with WILMINGTON TRUST FSB, in its capacity as Trustee and as Collateral Agent, and the Guarantors party thereto.

WHEREAS, each Grantor has executed and delivered that certain Pledge and Security Agreement dated as of October 27, 2009 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Security Agreement*") by and among the Company, the subsidiaries of the Company party thereto (including the Grantors) and the Collateral Agent. Terms defined in the Security Agreement and not otherwise defined herein are used herein as defined in the Security Agreement.

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Collateral Agent, for the ratable benefit of the Secured Parties, a security interest in and lien on, among other property, certain intellectual property of the Grantors, and have agreed as a condition thereof to execute this IP Security Agreement for recording by the Company with the U.S. Patent and Trademark Office, the United States Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

SECTION 1. Grant of Security. Each Grantor hereby grants to the Collateral Agent for the ratable benefit of the Secured Parties a security interest in all of such Grantor's right, title and interest in and to the patents, trademarks (provided that no security interest shall be granted in any United States intent-to-use Trademark applications to the extent and for so long as the creation by a Grantor of a security interest therein would result in the invalidity, unenforceability or loss by such Grantor of any rights therein), copyrights and exclusive copyright licenses set forth in Schedule A hereto (the "*Collateral*").

SECTION 2. Security for Secured Obligations. The grant of a security interest in and lien on the Collateral by each Grantor under this IP Security Agreement secures the payment of all Secured Obligations of such Grantor now or hereafter existing, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest, premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise. Upon the termination of the pledge and security interest granted under the Security Agreement in accordance with Section 7.4 of the Security Agreement, the Collateral Agent, at the Company's expense, shall execute, acknowledge, and deliver to each Grantor an instrument in writing releasing the security interests in Collateral acquired under this IP Security Agreement.

SECTION 3. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer to record this IP Security Agreement.

SECTION 4. Execution in Counterparts. This IP Security Agreement may be executed in any number of 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.

SECTION 4. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral 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.

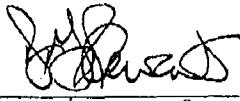
SECTION 6. Governing Law. This IP Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

SECTION 7. Collateral Agent. In connection with its execution and acting under this IP Security Agreement, the Collateral Agent is entitled to all rights, privileges, protections, immunities, benefits and indemnities provided to it under the Indenture, all of which are incorporated by reference herein. *mutatis mutandis*.

[Signature pages follow]

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

HEADWATERS INCORPORATED
ATLANTIC SHUTTER SYSTEMS, INC.
DUTCH QUALITY STONE, INC.
ELDORADO STONE LLC
ELDORADO STONE OPERATIONS, LLC
HEADWATERS CONSTRUCTION
MATERIALS, LLC
HEADWATERS CTL, LLC
HEADWATERS HEAVY OIL, LLC
HEADWATERS RESOURCES, INC.
HEADWATERS TECHNOLOGY INNOVATION
GROUP, INC.
TAPCO INTERNATIONAL CORPORATION

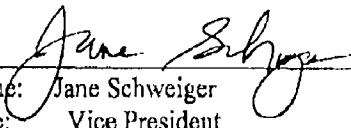
By: 

Name: Steven G. Stewart

Title: Chief Financial officer

Signature Page to IP Security Agreement

WILMINGTON TRUST FSB,
as Collateral Agent

By: 
Name: Jane Schweiger
Title: Vice President

Signature Page to IP Security Agreement

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	MX	2006/012581	27-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	KR	10-06-7022515	27-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	MX	2006/012528	27-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	KR	10-06-7022511	27-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	MX	2006/012582	27-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	KR	10-06-7022516	27-Oct-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	JP	2007-510923	30-Oct-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS OF UPGRADING AN EXISTING EBULLATED BED SYSTEM	JP	2007-510927	30-Oct-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	JP	2007-510988	30-Oct-06		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	BR	PI0510346-0	14-Nov-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	EP	05739913.1	21-Nov-06		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING METHODS AND SYSTEMS AND EXISTING EBULLATED BED SYSTEM	EP	05772351.2	21-Nov-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	EP	05741051.6	21-Nov-06		
Headwaters Heavy Oil, LLC	HYDROPROCESSING METHOD AND SYSTEM FOR UPGRADING HEAVY OIL USING A COLLOIDAL OR MOLECULAR CATALYST	RU	2006141838	27-Nov-06		
Headwaters Heavy Oil, LLC	FIXED BED HYDROPROCESSING METHODS AND SYSTEMS AND METHODS FOR UPGRADING AN EXISTING FIXED BED SYSTEM	RU	2006141836	27-Nov-06		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	TH	0601006234	13-Dec-06		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	TH	0601006235	13-Dec-06		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	VE	2946/2006	19-Dec-06		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	VE	2945/2006	19-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING CARBON NANOSTRUCTURES HAVING MINIMAL SURFACE FUNCTIONAL GROUPS	US	11/614011 ✓	20-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH CATALYSTS	HK	06114277.9	29-Dec-06		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCRACKING CATALYST PRECURSOR COMPOSITION AND METHODS OF MAKING AND USING SUCH COMPOSITIONS	WO	US07/060049	3-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	WO	US07/060047	3-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	WO	US07/060045	3-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD OF MANUFACTURING SUPPORTED CATALYST FROM A POROUS SUPPORT AND A NANOCATALYST SOLUTION	US	11/619866 ✓	4-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCRACKING CATALYST PRECURSOR COMPOSITION AND METHODS OF MAKING AND USING SUCH COMPOSITIONS	TW	096100600	5-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HC4 CATALYST CONTAINING MOLYBDENUM AND COBALT	TW	096100603	5-Jan-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCRACKING CATALYST PRECURSOR COMPOSITION AND METHODS OF MAKING AND USING SUCH COMPOSITIONS	GC	2007/7557	6-Jan-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME AND METHODS FOR MAKING SAME	GC	2007/7558	6-Jan-07		
Headwaters Heavy Oil, LLC	METHOD AND MIXING SYSTEM FOR INTRODUCING CATALYST PRECURSORS INTO HEAVY OIL FEEDSTOCK	TH	0701000455	1-Feb-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	WO	US07/061655	6-Feb-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NANOCATALYST PARTICLES MANUFACTURED BY HEATING COMPLEXED CATALYST ATOMS	US	11/673552 ✓	9-Feb-07	7534741	19-May-09
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	CA	2579785	7-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	TH	0701001051	8-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	TH	0701001052	8-Mar-07		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEM FOR INTRODUCING CATALYST PRECURSORS INTO HEAVY OIL FEEDSTOCK	TW	096108263	9-Mar-07		

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Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEMS FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	WO	US07/063819	12-Mar-07		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEMS FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	GC	P/2007/7921	12-Mar-07		
Headwaters Heavy Oil, LLC	METHODS AND MIXING SYSTEM FOR INTRODUCING CATALYST PRECURSOR INTO HEAVY OIL FEEDSTOCK	VE		13-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	WO	US07/063874	13-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED COLLOIDS AND METHODS OF MAKING SAME	WO	US07/063879	13-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	GC	P/2007/7924	14-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	TW	096109185	16-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	EP	05858246.1	21-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANORINGS MANUFACTURED USING SOLID CATALYST PARTICLES	TW	096111322	30-Mar-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	KR	10-07-7008177	10-Apr-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	TW	096113141	13-Apr-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	IN	2930/DELNP/07	19-Apr-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	GC	2007/8198	21-Apr-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABILIZED SUSPENSION OF TITANIUM DIOXIDE NANOPARTICLES AND METHODS OF MANUFACTURE	US	11/743528 ✓	2-May-07	7344591	18-Mar-08
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	CN	200580038912	11-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYST AND METHODS OF MAKING AND USING SUCH CATALYSTS	WO	US07/068928	15-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	MX	2007/005836	15-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	EP	05832241.8	15-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	JP	2007-543055	17-May-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	IN	4121/DELNP/07	31-May-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	KR	10-07-7012416	1-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	BR	PI051002-9	11-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	CN	200580043550	14-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST FOR SELECTIVE HYDROGENATION OF NITRO GROUPS OF HALONITRO AROMATIC COMPOUNDS	US	11/764512 ✓	18-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	CA	2594019	22-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	AU	2005325150	28-Jun-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	TW	096124316	4-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOTUBES AND METHODS FOR MAKING SAME	GC	2007/8658	7-Jul-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	MX	2007/008415	10-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	IRON-CONTAINING FUEL ADDITIVES FOR REDUCING PARTICULATES GENERATED DURING COMBUSTION	US	11/777624 ✓	13-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYST	JP	2007-551248	13-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	FISCHER-TROPSCH CATALYSTS INCORPORATING PROMOTER FOR INCREASING YIELDS OF C3+ HYDROCARBONS AND METHODS FOR MAKING AND USING SAME	WO	US07/073500	13-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING ARYL-ARYL COUPLED POLYMERS	TW	096127167	25-Jul-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOTUBES AND METHODS FOR MAKING SAME	TW	096128318	1-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING ARYL-ARYL COUPLED POLYMERS	WO	US07/074922	1-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MAKING IMMOBILIZED ARYL-CONTAINING LIGANDS	US	11/838067 ✓	13-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	EXPANDED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX PRODUCED BY FISCHER-TROPSCH REACTION AND CONTAMINATED WITH SOLIDS	GC	2007/8917	18-Aug-07		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	EBULLATED BED REACTOR SYSTEM AND METHOD FOR HYDROPROCESSING WAX FROM FISCHER-TROPSCH REACTION	WO	US07/076954	28-Aug-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROGEN STORAGE USING POROUS CARBON NANOSPHERES	US	11/850581 ✓	5-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NICKEL CATALYSTS HAVING HIGH NICKEL LOADING AND HIGH METAL DISPERSION AND METHODS OF MAKING SAME	WO	US07/078896	19-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSABLE CARBON NANOSPHERES IN A POLAR SOLVENT AND METHOD FOR MAKING SAME	US	11/860373 ✓	24-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED NANOCATALYSTS AND METHODS FOR USING SUPPORTED NANOCATALYSTS	EP	06740774.2	26-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING BIMETALLIC CATALYSTS HAVING A CONTROLLED CRYSTAL FACE EXPOSURE	WO	US07/079555	26-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANO-CATALYST ANCHORED ONTO ACID FUNCTIONALIZED SOLID SUPPORT AND METHODS OF MAKING AND USING SAME	EP	05852861.3	26-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR PURIFYING POLYMERS USING SOLID SCAVENGERS	WO	US07/079910	28-Sep-07		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSABLE CARBON NANOSPHERES IN AN ORGANIC SOLUTION AND METHODS FOR MAKING SAME	US	11/869545 ✓	9-Oct-07		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	FUNCTIONALIZATION OF CARBON NANOSPHERES BY SEVERE OXIDATIVE TREATMENT	US	11/869519 ✓	9-Oct-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANO-CATALYST ANCHORED ONTO ACID FUNCTIONALIZED SOLID SUPPORT AND METHODS OF MAKING AND USING SAME	JP	2008-506440	11-Oct-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNETITE POWDER AND METHODS FOR MAKING SAME	US	11/925147 ✓	26-Oct-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR INCREASING CATALYST CONCENTRATION IN HEAVY OIL AND/OR COAL RESID HYDROCRACKER	US	11/932201 ✓	31-Oct-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED NANOCATALYSTS AND METHODS FOR USING SUPPORTED NANOCATALYSTS	JP	2008-510011	6-Nov-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD FOR MANUFACTURING CARBON NANOSTRUCTURES HAVING MINIMAL FUNCTIONAL GROUPS	TW	096142573	9-Nov-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING CARBON NANOSTRUCTURES HAVING MINIMAL FUNCTIONAL GROUPS	WO	US07/087779	17-Dec-07		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MANUFACTURING SUPPORTED CATALYST FROM A POROUS SUPPORT AND A NANOCATALYST SOLUTION	WO	US08/050016	2-Jan-08		
Headwaters Technology, Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST FOR HYDROCRACKING HYDROCARBONS CONTAINING POLYNUCLEAR AROMATIC COMPOUNDS	US	11/968861 ✓	3-Jan-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	PROCESS FOR INCREASING THE MONO-AROMATIC CONTENT OF POLYNUCLEAR-AROMATIC-CONTAINING FEEDSTOCKS	US	11/968934 ✓	3-Jan-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	SUPPORTED NANOCATALYST PARTICLES MANUFACTURED BY HEATING COMPLEXED CATALYST ATOMS	WO	US08/053171	6-Feb-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	CA	2619065	12-Feb-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	EP	06836228.4	20-Feb-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ORGANIC CHEMICAL OXIDATION DURING HYDROGEN PEROXIDE PRODUCTION	KR	10-08-7003848	10-Mar-08	10-0081610	1-Apr-08
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	KR	10-08-7006495	17-Mar-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METAL COLLOIDS AND METHODS FOR MAKING THE SAME	US	12/056912 ✓	27-Mar-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	CN	200680037322	1-Apr-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOSTRUCTURES MANUFACTURED FROM CATALYTIC TEMPLATING NANOPARTICLES	JP		7-Apr-08		
Headwaters Heavy Oil, LLC	EBULLATED BED HYDROPROCESSING SYSTEM	US	12/106112 ✓	18-Apr-08		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MULTICOMPONENT NANOPARTICLES FORMED USING A DISPERSING AGENT	HK	08104947.8	5-May-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CATALYST AND METHOD FOR HYDRODESULFURIZATION OF HYDROCARBONS	US	12/140629 ✓	17-Jun-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	BIMETALLIC CATALYSTS AND METHODS FOR CRUDE OIL DESULFURIZATION	US	12/140629 ✓	17-Jun-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	IN		25-Jun-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	MY		2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	MY		2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BI-METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - MY	MY	PI 20082446	2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - MY	MY	PI 20082446	2-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CN		3-Jul-08		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	EP		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	CN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	EP		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	EP		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - IN	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - CHINA	CN		3-Jul-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - IN	IN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - CN	CN		3-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CA	2636282	4-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	CA	2636361	4-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	CA	2636291	4-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	JP		7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	JP		7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	JP		7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME - JP	JP		7-Jul-08		

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Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIFUNCTIONAL METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - JP	JP	PI 20082446	7-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME	KR	10-08-7017393	17-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOTUBES AND METHODS FOR MAKING SAME	IN		21-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOTUBES AND METHODS FOR MAKING SAME	EP		22-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOTUBES AND METHODS FOR MAKING SAME	CA	2640107	23-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD FOR REDUCING NOX DURING COMBUSTION OF COAL IN A BURNER BY OPTIMIZING COMBUSTION AIR FLOW	US	12/182656 ✓	30-Jul-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MAKING IMMOBILIZED ARYL-CONTAINING LIGANDS	PCT	PCT/US08/072001	1-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE POLYBIDENTHYLENE PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - KR	KR	10-2008-7019133	4-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOTUBES AND METHODS FOR MAKING SAME	JP		11-Aug-08		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANOFIBERS AND METHODS OF MAKING SAME AND USING SAME IN ETHANOL SENSORS	US	61/090511 ✓	20-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	ID	--W00200802781	26-Aug-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	KR	10-2008-7021784	5-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSIBLE CARBON NANOSPHERES IN A HYDROPHILIC MATERIAL AND METHODS FOR MAKING SAME	PCT	PCT/US2008/079409	9-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD OF MANUFACTURING HYDROGEN PEROXIDE CATALYST UTILIZING NEUTRALIZING BASE	EP	07 758 426.6	16-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	CN	07 758 431.6	16-Sep-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHODS FOR MAKING IMMOBILIZED ARYL-CONTAINING LIGANDS	US	12/389522 ✓	20-Feb-09		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	DISPERSIBLE CARBON NANOSPHERES AND METHODS FOR MAKING SAME	US	12/409168 ✓	23-Mar-09		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD OF MANUFACTURING MULTICOMPONENT NANOPARTICLES	US	12/421208 ✓	9-Apr-09		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ZEOLITE MEMBRANE AND METHODS OF MAKING AND USING SAME FOR WATER DESALINATION	US	12/429899 ✓	24-Apr-09		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - MY	MY	PI 20082445	2-July-08	---	
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME	CN		3-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BIMETALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - EPO	EPO	07 709 926 5; pub 8-Oct-08 as 1 976 633;	3-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - JP	JP		7-July-08		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - KR	KR	10-2008-7017393	17-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSIBLE CARBON NANOSPHERES IN A HYDROPHILIC MATERIAL AND METHODS FOR MAKING SAME - THAILAND	TH	801004762	17-Sept-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	IN		21-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	EPO	07 811 797 5 application publication 22-Oct-08;	22-July-08;		

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGHLY DISPERSIBLE CARBON NANOSPHERES IN A HYDROPHILIC MATERIAL AND METHODS FOR MAKING SAME - TAIWAN	TW	97136524	23-Sept-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE, BI-METALLIC PRECURSOR CATALYSTS AND METHODS FOR MAKING SAME - KR	KR	1-2008-7018244	24-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - EPO	EPO	07 863 308 8	3-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	MAGNESIUM HYDROXIDE NANOPARTICLES, METHODS OF MAKING SAME AND COMPOSITIONS INCORPORATING SAME - CA	CA	Application No. Not Yet Known	4-July-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	MY		6-Aug-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANOSTRUCTURES AND METHODS FOR MAKING SAME	CN	200780005126.6 0	8-Aug-08;		
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	NANOFIGER ETHANOL VAPOR SENSOR	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ADDITION TO HEAT TO SECOND OR THIRD REACTOR	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	APPARATUS AND METHOD FOR MIXING PARTICULATE CATALYST INTO A FEEDSTREAM	US	✓			

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	METHOD AND MANUFACTURING CARBON NANOSPHERES USING A DILUTING MONOMER TO PREVENT AGGLOMERATION	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	CARBON NANOMATERIAL WITH CATIONIC SURFACTANT BONDED TO THE SURFACE THEREOF	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	ZEOLITE MEMBRANES FOR SEA WATER DESALINATION	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	CA				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	CN				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	JP				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	ID				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	KR				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	POLYMERIC MATERIALS INCORPORATING CARBON NANORINGS AND METHODS FOR MAKING SAME	MY				

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HIGH TEMPERATURE MIXING OF CATALYST PRECURSOR INTO HEAVY OIL	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE MOLYBDENUM CATALYST PRECURSORS AND METHODS FOR MAKING SAME	KR				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	KR				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	HYDROCARBON-SOLUBLE BIMETALLIC CATALYST PRECURSORS AND METHODS FOR MAKING SAME	MY				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	USE OF PRE-TREATMENT POLYMERIC RESIN BED IN DIRECT SYNTHESIS OF H2O2	US	✓			
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	IMPROVEMENTS FOR REDUCING COKE DEPOSITION IN THERMAL UPGRADING PROCESSES	VE			1625-91	
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	EPO				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	IN				
Headwaters Technology Innovation, LLC [Headwaters Technology Innovation Group, Inc. is successor]	STABLE CONCENTRATED METAL COLLOIDS AND METHODS OF MAKING SAME	JP				

Owner	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Tapco Products Company, Inc. [Tapco International Corporation is successor]	ROOF VENT	US	07/293946	05-Jan-1989	4924761	15-May-1990
Tapco Products Company, Inc. [Tapco International Corporation is successor]	WALL MOUNTING ASSEMBLY	US	07/547830	05-May-1989	4920708	01-May-1990
Tapco Products Company, Inc. [Tapco International Corporation is successor]	WALL MOUNTING ASSEMBLY	CA	2011685	07-Mar-1990	2011685	21-Dec-1993
Tapco Products Company, Inc. [Tapco International Corporation is successor]	RIDGE ROOF VENT	US	07/598246	16-Oct-1990	5060431	29-Oct-1991
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	RIDGE VENT FOR HIP ROOF	US	07/786558	01-Jan-1991	5174076	29-Dec-1992
Tapco Products Company, Inc. [Tapco International Corporation is successor]	LOUVERED PLASTIC BUILDING PRODUCT	CA	2051884	19-Sep-1991	2051884	08-Aug-1995
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	PLASTIC BUILDING WALL MOUNT ASSEMBLY	US	07/904384	25-Jun-1992	5326060	05-Jul-1994
Tapco Products Company, Inc. [Tapco International Corporation is successor]	HEAVY DUTY SHEET BENDING BRAKE	US	07/987249	07-Dec-1992	5343728	06-Sep-1994
Mid-America Building Products Corp. [Tapco International Cor- poration is successor]	CORNER TRIM PIECE	MX	9301570	19-Mar-1993	182645	13-Sep-1996
Mid-America Building Products Corp. [needs name changed to Tapco International Corporation]	PLASTIC BUILDING WALL MOUNT ASSEMBLY	CA	2099044	23-Jun-1993	2099044	08-Apr-2003
Tapco Products Company, Inc. [Tapco International Corporation is successor]	PORTABLE SHEET BENDING BRAKE	US	08/111978	25-Aug-1993	5353620	11-Oct-1994
Mid-America Building Products Corp. [needs name changed to Tapco International Corporation]	PLASTIC GABLE VENT	US	08/111986	25-Aug-1993	5349799	27-Sep-1994

Trademarks

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Headwaters Incorporated	HEADWATERS	US	78/018,501	26-Jul-00	2659400	10-Dec-02
Headwaters Incorporated	ADDING VALUE TO ENERGY	US	78/195484	17-Dec-02	3248034	29-May-07
Headwaters Incorporated	HEADWATERS	European Union	5487178	21-Nov-06	5487178	24-Oct-07
Headwaters Incorporated	COVOL	US	78337331	5-Dec-03	2941803	10-Apr-05
Headwaters Incorporated	HCAI	United States of America	77/042411	13-Nov-06	3513091	7-Oct-08
Headwaters Incorporated	POZZOLANIC (Design)	US	73/221,717	29-Jun-79	1152421	28-Apr-81
Headwaters Incorporated	POZZALIME	US	73/499,272	13-Sep-84	1395433	3-Jun-86
Headwaters Incorporated	GYCEM	US	73/533,662	22-Apr-85	1402656	22-Jul-86
Headwaters Incorporated	FLEXCRETE	US	73/636,328	22-Dec-86	1448523	21-Jul-87
Headwaters Incorporated	PEANUT MAKER	US	73/636,329	22-Dec-86	1454791	1-Sep-87
Headwaters Incorporated	POWERLITE	US	73/835,676	2-Nov-89	1601725	19-Jun-90
Headwaters Incorporated	ALSIL	US	74/182,722	5-Jul-91	1744157	5-Jan-93
Headwaters Incorporated	FLO FIL	US	74/479,723	18-Jan-94	1911817	15-Aug-95
Headwaters Incorporated	C-STONE	US	74/665,571	25-Apr-95	2004062	1-Oct-96
Headwaters Incorporated	ALKA-PHIX (Design)	US	75/085,326	8-Apr-96	2039031	18-Feb-97
Headwaters Resources, Inc.	ENVIROPOST	US	76/489,194	10-Feb-03	2985812	16-Aug-05
Headwaters Resources, Inc.	ASM	US	76/523,926	19-Jun-03	3117547	18-Jul-06
Headwaters Incorporated	POZZALIME	US	78/693,224	16-Aug-05	3382935	12-Feb-08
Headwaters Incorporated	POZZALIME	US	77/683281	4-Mar-09		
Headwaters Incorporated	PERFORMANCE POZZOLAN	US	77/281412	17-Sep-07		
Headwaters Incorporated	P2 PERFORMANCE POZZOLAN (Design)	US	77/615057	14-Nov-08		
Headwaters Resources, Inc.	P2 (Design)	US	77/615052	14-Nov-08		
Headwaters Incorporated	HCAI	European Union	5794193	28-Mar-07		
Headwaters Incorporated	HCAI	Canada	1346908	10-May-07	TMA 711220	8-Apr-08
Headwaters Incorporated	HCAI	Hong Kong	300869068	11-May-07	300869068	11-May-07
Headwaters Incorporated	HCAI	Japan	2007-47013	11-May-07	5104629	11-Jan-08
Headwaters Incorporated	HCAI	Mexico	853970	11-May-07	1010067	31-Oct-07
Headwaters Incorporated	HCAI	Mexico	853971	11-May-07	1010068	31-Oct-07
Headwaters Incorporated	HCAI	China	6048879	14-May-07		

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Headwaters Incorporated	HCAI	Korea (South)	45-2007-1940	14-May-07		
Headwaters Incorporated	HCAI	US	77/180501	14-May-07		
Headwaters Incorporated	HCAI	Venezuela	10436-2007	14-May-07		
Headwaters Incorporated	HCAI	Venezuela	10438-2007	14-May-07		
Headwaters Incorporated	HCAI	Venezuela	10437-2007	14-May-07		
Headwaters Incorporated	HCAI	Russian Federation	2007715347	24-May-07		
Headwaters Incorporated	HCAI	China	6081248	31-May-07		
Headwaters Incorporated	HCAI	Kuwait	89773	11-Nov-07		
Headwaters Incorporated	HCAI	Kuwait	89774	11-Nov-07		
Headwaters Incorporated	HCAI	India	1620251	12-Nov-07		
Headwaters Incorporated	HCAI	Saudi Arabia	123812	13-Nov-07		
Headwaters Incorporated	HCAI	Saudi Arabia	123813	13-Nov-07		
Headwaters Incorporated	HCAI	Taiwan	96053628	13-Nov-07	1331785	1-Oct-08
Headwaters Incorporated	HCAI	Taiwan	96053630	13-Nov-07		
Headwaters Incorporated	HCAI	Brazil	829477012	14-Nov-07		
Headwaters Incorporated	HCAI	Brazil	829477020	14-Nov-07		
Headwaters Incorporated	HCAI	Thailand	679299	14-Nov-07		
Headwaters Incorporated	HCAI	Thailand	679300	14-Nov-07		
Headwaters Incorporated	NXCAT	US	78253674	23-May-03	3330391	6-Nov-07
Headwaters Incorporated	NXCAT	US	77198028	5-Jun-07		
Headwaters Incorporated	NXCAT	US	78253676	23-May-03	3330392	6-Nov-07
Headwaters Incorporated	NXCAT NEXT GENERATION NANOCATALYST TECHNOLOGY	US	77198071	5-Jun-07		
Headwaters Incorporated	NXCAT NEXT GENERATION NANOCATALYST TECHNOLOGY	US				
Headwaters Incorporated	THINK SMALL...NXCAT	US	77198049	5-Jun-07		
Headwaters Incorporated	THINK SMALL...NXCAT	US	78253673	23-May-03	3330390	6-Nov-07
Dutch Quality Stone, Inc.	DQ STONE DUTCH QUALITY (Design)	US	78/461908	4-Aug-04	3001611	27-Sep-05
Dutch Quality Stone, Inc.	DUTCH QUALITY STONE	US	77/188179	23-May-07	3323176	28-Oct-08
Dutch Quality Stone, Inc.	DQ STONE DUTCH QUALITY (Design)	US	77/188186	23-May-07	3589637	17-Mar-09
Eldorado Stone Operations, LLC	ELDORADO	US	73/259769	28-Apr-80	1182120	15-Dec-81
Eldorado Stone Operations, LLC	HYAK WALL	US	74/496938	4-Mar-94	2035928	4-Feb-97

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	European Union	1898162	13-Oct-00	1898162	5-Dec-01
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Russian Federation	2000726174	16-Oct-00	216608	9-Jul-02
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Korea (South)	2000-48379	16-Oct-00	512396	14-Feb-02
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Canada	1080647	27-Oct-00	TMA570924	20-Nov-02
Eldorado Stone Operations, LLC	ELDORADO STONE (Design w/ Diamond)	US	78/033842	3-Nov-00	2498513	16-Oct-01
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Mexico	457093	8-Nov-00	691314	27-Mar-01
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Malaysia	2000-18280	18-Dec-00	18280	28-Aug-03
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Oman	24449	20-Dec-00	24449	26-Oct-04
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Philippines	4-2001-000511	25-Jan-01	4-2001-000511	13-Jan-06
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Bahrain	1029/2001	20-May-01	29694	7-Feb-04
Eldorado Stone Operations, LLC	COPPER CANYON BRICK & Design	Mexico	510407	2-Oct-01	771756	29-Sep-02
Eldorado Stone Operations, LLC	COPPER CANYON STONE & Design	Mexico	512200	2-Oct-01	771763	29-Nov-02
Eldorado Stone Operations, LLC	HILLSTONE	US	78/118979	2-Apr-02	2686690	11-Feb-03
Eldorado Stone Operations, LLC	RUSTIC LEDGE	US	78/118991	2-Apr-02	2727198	17-Jun-03
Eldorado Stone Operations, LLC	CLIFFSTONE	US	78/119003	2-Apr-02	3311629	16-Oct-07
Eldorado Stone Operations, LLC	QUARRYSTONE	US	78/119010	2-Apr-02	3059689	14-Feb-06
Eldorado Stone Operations, LLC	CREEK COBBLE	US	78/119018	2-Apr-02	2824924	23-Mar-04
Eldorado Stone Operations, LLC	FIELDLEDGE	US	78/119051	2-Apr-02	2686691	11-Feb-03
Eldorado Stone Operations, LLC	ELDORADO	Korea (South)	2002-0020407	10-Oct-02	99345	6-Apr-04
Eldorado Stone Operations, LLC	ELDORADO	Japan	86271/2002	10-Oct-02	4743626	23-Jan-04
Eldorado Stone Operations, LLC	ELDORADO	Japan	86272/2002	10-Oct-02	4733263	12-Dec-03
Eldorado Stone Operations, LLC	ELDORADO	Australia	931675	23-Oct-02	931675	23-Oct-02
Eldorado Stone Operations, LLC	ELDORADO	European Union	2903797	23-Oct-02	2903797	28-Jan-04
Eldorado Stone Operations, LLC	ELDORADO	Canada	1156913	24-Oct-02	TMA606724	31-Mar-04
Eldorado Stone Operations, LLC	ELDORADO	Malaysia	-205964	25-Oct-02		
Eldorado Stone Operations, LLC	ELDORADO	Oman	29257	26-Oct-02	29257	9-Jul-05
Eldorado Stone Operations, LLC	ELDORADO	Philippines	4-2002-0009751	13-Nov-02	4-2002-0009751	30-Jul-05
Eldorado Stone Operations, LLC	ELDORADO	Bahrain	5273	18-Nov-02	5273	18-Nov-02

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Eldorado Stone Operations, LLC	ELDORADO	Russian Federation	2002728771	27-Nov-02	275325	20-Sep-04
Eldorado Stone Operations, LLC	ELDORADO	Singapore	T03/00480Z	18-Jan-03	T03/00480Z	7-Jul-03
Eldorado Stone Operations, LLC	ELDORADO	Singapore	T03/00481H	18-Jan-03	T03/00481H	20-Jan-04
Eldorado Stone Operations, LLC	ELDORADO	Taiwan	92005109	20-Jan-03	1106645	16-Jun-04
Eldorado Stone Operations, LLC	ELDORADO	Taiwan	92005110	20-Jan-03	191098	1-Dec-03
Eldorado Stone Operations, LLC	ELDORADO	New Zealand	672410	31-Jan-03	672410	8-Dec-05
Eldorado Stone Operations, LLC	ELDORADO	New Zealand	672411	31-Jan-03	672411	8-Dec-05
Eldorado Stone Operations, LLC	ELDORADO	China	3453344	31-Jan-03	3453344	28-Aug-04
Eldorado Stone Operations, LLC	ELDORADO	China	3453345	31-Jan-03	3453345	28-Oct-04
Eldorado Stone Operations, LLC	ELDORADO	US	78/239600	18-Apr-03	2901565	9-Nov-04
Eldorado Stone Operations, LLC	ELDORADO STONE SEE IT AND BELIEVE IT (Design)	US	78/239610	18-Apr-03	2969820	19-Jul-05
Syndecrite LLC (Eldorado Stone LLC is successor)	SYNDECRITE (Design)	US	76/510,187	28-Apr-03	2822836	16-Mar-04
Eldorado Stone Operations, LLC	ELDORADO	Egypt	159611	25-May-03	159611	25-May-03
Eldorado Stone Operations, LLC	ELDORADO	Egypt	159617	25-May-03		
Eldorado Stone Operations, LLC	ELDORADO	Indonesia	D002003132791 3403	29-May-03	IDM00000069 76	6-May-04
Eldorado Stone Operations, LLC	ELDORADO	Indonesia	J002003132801 3404	29-May-03	IDM00000069 77	6-May-04
Eldorado Stone Operations, LLC	ELDORADO STONE & Design (Diamond)	Mexico	615349	20-Aug-03	952790	19-Sep-06
Eldorado Stone Operations, LLC	ELDORADO STONE SEE IT AND BELIEVE IT & Design	Korea (South)	2005-0004004	7-Oct-05	45-0017008	4-Aug-06
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	Korea (South)	2005-0022732	7-Oct-05	41-0135827	8-Aug-06
Eldorado Stone Operations, LLC	ELDORADO	Korea (South)	2005-0046537	7-Oct-05	40-0673298	8-Aug-06
Eldorado Stone Operations, LLC	ELDORADO STONE SEE IT AND BELIEVE IT & Design	China	4959896	24-Oct-05		
Eldorado Stone Operations, LLC	ELDORADO STONE SEE IT AND BELIEVE IT & Design	China	4959897	24-Oct-05		
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	China	4959898	24-Oct-05		
Eldorado Stone Operations, LLC	ELDORADO STONE & Diamond Design	China	4959899	24-Oct-05		

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Eldorado Stone Operations, LLC	WHERE DO YOU ROCK?	US	76/656519	13-Mar-06	3238657	8-May-07
Eldorado Stone Operations, LLC	TUNDRABRICK	US	76/657452	29-Mar-06	3195583	9-Jan-07
Eldorado Stone Operations, LLC	MODENABRICK	US	76/657464	29-Mar-06	3200252	23-Jan-07
Eldorado Stone Operations, LLC	ELDORADO BRICK	US	78/886529	18-May-06	3236796	1-May-07
Eldorado Stone Operations, LLC	VIABRICK	US	78/886530	18-May-06	3204071	30-Jan-07
Eldorado Stone Operations, LLC	CYPRESS RIDGE	US	77/148223	4-Apr-07	3521444	21-Oct-08
Eldorado Stone Operations, LLC	CAMINOADOBE	US	77/152951	10-Apr-07	3581105	24-Feb-09
Syndecrete LLC [Eldorado Stone LLC is successor]	LIVE BEYOND THE SURFACE	US	76/677383	23-May-07	3505740	23-Sep-08
Eldorado Stone Operations, LLC	ELDORADO	European Union	929596	2-Jul-07	929596	2-Jul-07
Eldorado Stone Operations, LLC	ELDORADO	WIPO	929596	2-Jul-07	929596	2-Jul-07
Eldorado Stone Operations, LLC	ELDORADO	Russian Federation	929596	2-Jul-07		
Eldorado Stone Operations, LLC	ELDORADO ADOBE	Mexico	881365	10-Sep-07		
Eldorado Stone Operations, LLC	ROUGH CUT	US	77/278689	13-Sep-07	3581901	24-Feb-09
Eldorado Stone Operations, LLC	CYPRESS RIDGE	European Union	6283378	17-Sep-07		
Eldorado Stone Operations, LLC	CYPRESS RIDGE	Mexico	884183	21-Sep-07		
Eldorado Stone Operations, LLC	CAMINO ADOBE	Mexico	885422	27-Sep-07	1011460	15-Nov-07
Eldorado Stone Operations, LLC	CYPRESS RIDGE	Canada	1366162	3-Oct-07		
Eldorado Stone Operations, LLC	CYPRESS RIDGE	CA	1366162	3-Oct-07	TMA723219	9-Sep-08
Eldorado Stone Operations, LLC	THE IMPACT OF GROUT	US	77/315876	29-Oct-07	3457413	1-Jul-08
Eldorado Stone Operations, LLC	THE MOST BELIEVABLE ARCHITECTURAL STONE VENEER IN THE WORLD	US	77/317920	31-Oct-07		
Eldorado Stone Operations, LLC	GEMSTONES	US	77/414762	6-Mar-08		
Eldorado Stone Operations, LLC	ELDORADO STONE	US	77/432956	27-Mar-08	3569287	3-Feb-09
Eldorado Stone Operations, LLC	ELDORADO STONE	WIPO		27-Sep-08		
Eldorado Stone Operations, LLC	COASTALREEF	US	77/621417	25-Nov-08	3643158	23-Jun-09
Eldorado Stone Operations, LLC	CAMINOADOBE	Mexico	985123	21-Jan-09		
Eldorado Stone Operations, LLC	ArtWall	US	77/697339	23-Mar-09		
Eldorado Stone Operations, LLC	CUT COURSE STONE	US	77/697293	23-Mar-09		
Eldorado Stone Operations, LLC	GEMSTONE	US	77/697347	23-Mar-09		
Eldorado Stone Operations, LLC	STONE JOURNALS	US	77/697344	23-Mar-09		
Tapco International Corporation	PORT-O-BRAKE	US	72/170704	10-Jun-1963	776556	08-Sep-1964

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	WOMAN & BRAKE LOGO	US	72/201761	11-Sep-1964	790308	01-Jun-1965
Tapco International Corporation	PORT-O-COILER (Design)	US	73/217351	29-May-1979	1168051	08-Sep-1981
Tapco International Corporation	PORT-O-BRAKE	US	73/243490	19-Dec-1979	1158851	30-Jun-1981
Tapco International Corporation	SHUTTER-LOK	US	73/276718	05-Sep-1980	1187685	26-Jan-1982
Tapco International Corporation	PORT-O-BENDER	US	73/278364	18-Sep-1980	1175860	03-Nov-1981
Vantage Products Corporation [Tapco International Corporation is successor]	VANTAGE	US	73/520793	01-Feb-1985	1365611	15-Oct-1985
Tapco International Corporation	PORT-O-SLITTER	US	73/662168	21-May-1987	1505581	27-Sep-1988
Vantage Products Corporation [Tapco International Corporation is successor]	RAIN AWAY	US	73/751355	12-Sep-1988	1531995	28-Mar-1989
Tapco International Corporation	MOUNT MASTER	US	74/039187	16-Mar-1990	1649514	02-Jul-1991
Tapco International Corporation	SURFACE MASTER	US	74/039199	16-Mar-1990	1648867	25-Jun-1991
Tapco International Corporation	MID-AMERICA MASTER SERIES	US	74/053125	26-Apr-1990	1687752	19-May-1992
Vantage Products Corporation [Tapco International Corporation is successor]	VANTAGE	US	74/229225	11-Dec-1991	1747122	19-Jan-1993
Tapco International Corporation	VANTAGE	US	75/984006	11-Dec-1991	3407634	19-Jan-1993
Tapco International Corporation	TAPCO MAX-I-MUM COMMERCIAL MODEL PORT-O-BENDER (Design)	US	74/242711	03-Feb-1992	1744296	05-Jan-1993
Tapco International Corporation	MASTER	US	74/283225	09-Jun-1992	1756679	09-Mar-1993
Tapco International Corporation	STYLE-A-SHUTTER	US	74/283582	09-Jun-1992	1756864	09-Mar-1993
Tapco International Corporation	MASTER SHUTTER	US	74/286947	22-Jun-1992	1753924	23-Feb-1993
Tapco International Corporation	PRO-EDGE SAW TABLE & CUTTING STATION (Design)	US	74/310388	03-Sep-1992	1771491	18-May-1993
Tapco International Corporation	TAPCO	US	74/461669	22-Nov-1993	1908137	01-Aug-1995
Tapco International Corporation	TAPCO (Design)	US	74/461670	22-Nov-1993	1917615	12-Sep-1995
Tapco International Corporation	TAPCO PRO-III PORT-O-BENDER (De- sign)	US	74/486147	03-Feb-1994	1871077	03-Jan-1995
Tapco International Corporation	HIP MASTER (Design)	US	74/576577	21-Sep-1994	1936844	21-Nov-1995
Tapco International Corporation	HIP MASTER	US	74/576578	21-Sep-1994	1932909	07-Nov-1995
Builders Edge, Inc. [Tapco In- ternational Corporation is suc- cessor]	BUILDERS EDGE (Design)	US	74/600155	17-Nov-1994	1950751	23-Jan-1996
Tapco International Corporation	PROFESSIONAL CUT-OFF (Design)	US	74/661066	14-Apr-1995	1979053	04-Jun-1996

Owner	Trademark	Country	Serial No.	App Date	Reg. No.	Reg. Date
Tapco International Corporation	DUOSEAL	CA	794763	13-Oct-1995	493307	21-Apr-1998
Atlantic Shutter System, Inc.	ATLANTIC	US	75/365198	29-Sep-1997	2270262	17-Aug-1999
Tapco International Corporation	PRO2000	CA	1009989	26-Mar-1999	545245	16-May-2001
Tapco International Corporation	PRO2000 PORT-O-BENDER Logo	CA	1009990	26-Mar-1999	545244	16-May-2001
Tapco International Corporation	CONFIGURATION OF PORTION OF BRAKE	US	76/304896	17-Aug-2001	2662342	17-Dec-2002
Tapco International Corporation	FACING PORTION OF BRAKE (machine perspective)	US	76/304897	17-Aug-2001	2733947	08-Jul-2003
Tapco International Corporation	FACING PORTION OF BRAKE (anvil perspective)	US	76/304925	17-Aug-2001	2662343	17-Dec-2002
Tapco International Corporation	RIDGEMASTER	US	76/304578	24-Aug-2001	2697263	18-Mar-2003
Tapco International Corporation	RIDGEMASTER KING OF THE RIDGE (Design)	US	76/304579	24-Aug-2001	2712830	06-May-2003
Tapco International Corporation	SNAP STAND	US	78/211745	06-Feb-2003	2861575	06-Jul-2004
Tapco International Corporation	INTEGRATED TOOL SYSTEMS	US	78/218306	24-Feb-2003	2982391	02-Aug-2005
Tapco International Corporation	PROTRAX	US	78/218308	24-Feb-2003	2907252	30-Nov-2004
Tapco International Corporation	ENCORE	US	78/236354	10-Apr-2003	2870619	03-Aug-2004
Tapco International Corporation	STONEFIELD	US	78/252349	20-May-03	2924293	10-Feb-04
Tapco International Corporation	SNAP STAND	CA		27-Jun-2003	639527	10-May-2005
Tapco International Corporation	PROTRAX	CA		23-Jul-2003	665897	09-Jun-2006
Tapco International Corporation	VALUE FACTS	CA		23-Jul-2003	665906	09-Jun-2006
Tapco International Corporation	INTEGRATED TOOL SYSTEMS	CA		23-Jul-2003	678506	18-Dec-2006
Tapco International Corporation	ENCORE	CA		02-Sep-2003	663080	21-Apr-2006
Tapco International Corporation	HAND TOOLS FOR THE PRO	CA		10-Oct-2003	700123	05-Nov-2007
Tapco International Corporation	WELLCRAFT	US	76/552728	20-Oct-03	2939272	12-Apr-05
Tapco International Corporation	FOUNDRY	US	78/329042	17-Nov-2003	2984096	09-Aug-2005
Tapco International Corporation	MiniTran	US	78/359104	28-Jan-2004	3009528	25-Oct-2005
Tapco International Corporation	ManTran	US	78/359106	28-Jan-2004	3032962	20-Dec-2005
Tapco International Corporation	INNOVATIVE EXTERIOR PRODUCTS	US	78/359111	28-Jan-2004	3107643	20-Jun-2006
Tapco International Corporation	DISTINCTIVE CEDAR ACCENTS	US	78/359113	28-Jan-2004	3298724	25-Sep-2007
Tapco International Corporation	FOUNDRY	CA	1216022	06-May-2004	tna688344	25-May-2007
Tapco International Corporation	SOLID THRU	US	78/449513	12-Jul-2004	3370180	15-Jan-2008
Tapco International Corporation	DESIGN ELEMENTS FOR THE HOME	US	78/452122	16-Jul-2004	3057245	07-Feb-2006
Tapco International Corporation	PRO 14	US	78/467345	13-Aug-2004	3062508	28-Feb-2006
Tapco International Corporation	PRO 19	US	78/467361	13-Aug-2004	3062509	28-Feb-2006
Tapco International Corporation	WINDY	US	78/467370	13-Aug-2004	3057324	07-Feb-2006

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Tapco International Corporation	SIDE-WINDER	US	78/467377	13-Aug-04	3254729	26-Jun-07
Tapco International Corporation	MAX-I-MUM	US	78/467380	13-Aug-04	2998277	20-Sep-2005
Tapco International Corporation	PRESSLOK	US	78/471217	20-Aug-2004	3122700	01-Aug-2006
Tapco International Corporation	EASY-LOK	US	78/471226	20-Aug-2004	3257686	03-Jul-2007
Tapco International Corporation	NUSHELL	US	78/471232	20-Aug-2004	3001902	27-Sep-2005
Tapco International Corporation	DESIGN ELEMENTS FOR THE HOME	CA	1239247	01-Dec-2004	711567	10-Apr-08
Tapco International Corporation	PRO 19	CA	1239731	06-Dec-2004	695611	05-Sep-2007
Tapco International Corporation	WINDY	CA	1239732	06-Dec-2004	697209	25-Sep-2007
Tapco International Corporation	SOLID THRU	CA	1241181	17-Dec-2004	729218	24-Nov-08
Tapco International Corporation	BUILDERS EDGE	US	78/621602	03-May-2005	3331005	06-Nov-2007
Tapco International Corporation	HOME DEFENSE	CA	1256849	06-May-2005	729216	24-Nov-08
Tapco International Corporation	ATLANTIC PREMIUM SHUTTER (Logo)	US	78/628058	11-May-2005	3341132	20-Nov-2007
Tapco International Corporation	THE TAPCO GROUP (Logo)	US	78/980029	7-Jun-05	3538995	25-Nov-08
Tapco International Corporation	THE TAPCO GROUP	US	78/645288	07-Jun-2005	3518179	14-Oct-08
Tapco International Corporation	THE TAPCO GROUP (Design)	US	78/645298	07-Jun-2005		
Tapco International Corporation	TAPCO GROUP (Logo)	US	78/645855	07-Jun-2005	3529084	4-Nov-08
Tapco International Corporation	THE TAPCO GROUP	US	78/980014	07-Jun-2005	3665213	4-Aug-09
Tapco International Corporation	TAPCO GROUP (Logo)	US	78/980029	07-Jun-2005	3538995	25-Nov-08
Tapco International Corporation	FINISH THE JOB	US	78/652398	16-Jun-2005	3320156	23-Oct-2007
Tapco International Corporation	MID-AMERICA SIDING COMPONENTS	US	78/652400	16-Jun-2005	3234945	24-Apr-2007
Tapco International Corporation	THE TAPCO GROUP (Logo)	CA	1262261	22-Jun-2005		
Tapco International Corporation	THE TAPCO GROUP	CA	1262262	22-Jun-2005		
Tapco International Corporation	THE TAPCO GROUP and logo	CA	1262263	22-Jun-2005		
Tapco International Corporation	ATLANTIC SHUTTER & LOGO	CA	1262266	22-Jun-2005	729404	25-Nov-08
Tapco International Corporation	WINWORKS	CA	1263453	04-Jul-2005		
Tapco International Corporation	STORM DEFENSE	US	78/677488	25-Jul-2005		
Tapco International Corporation	MAX SLATE	US	78/743,381	31-Oct-05	3145499	19-Sep-06
Tapco International Corporation	MAX SHAKE	US	78/743,385	31-Oct-05	3145500	19-Sep-06
Tapco International Corporation	MAX SLATE	US	78/743581	31-Oct-2005	3145499	19-Sep-06
Tapco International Corporation	MAX SHAKE	US	78/743585	31-Oct-2005	3145500	27-Jun-06
Tapco International Corporation	INSPIRE	US	78/744105	31-Oct-2005	3309040	09-Oct-2007
Tapco International Corporation	INFLEX	US	78/757640	19-Nov-2005	3309145	09-Oct-2007
Tapco International Corporation	HARBOR VIEW	US	78/757642	19-Nov-2005	3309146	09-Oct-2007
Tapco International Corporation	MX SERIES	US	78/897537	31-May-2006	3357861	18-Dec-2007
Tapco International Corporation	MX 8	US	78/897541	31-May-2006	3363701	01-Jan-2008
Tapco International Corporation	MX 10	US	78/897544	31-May-2006	3363702	01-Jan-2008

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Tapco International Corporation	MX 12	US	78/897548	31-May-2006	3363703	01-Jan-2008
Tapco International Corporation	MX STAND	US	78/897553	31-May-2006	3490340	19-Aug-08
Tapco International Corporation	INNER CIRCLE	US	78/897565	31-May-2006	3422930	6-May-08
Tapco International Corporation	PK CENTRAL	US	78/897571	31-May-2006	3405512	01-Apr-2008
Tapco International Corporation	IQM	US	78/939913	28-Jul-2006	3636929	9-Jun-09
Tapco International Corporation	CORNER TRIM PIECE	CA	124879	29-Feb-2008		
Tapco International Corporation	CORNER TRIM PIECE	CA	124880	29-Feb-2008		
Tapco International Corporation	CORNER TRIM PIECE	CA	124881	29-Feb-2008		
Tapco International Corporation	ASHCRAFT	US	77/431204	25-Mar-2008		
Atlantic Shutter System, Inc.	ATLANTIC	US	77/459877	28-Apr-08	3543456	9-Dec-08
Tapco International Corporation	WINWORKS	US	77/569866	15-Sep-08		
Tapco International Corporation	ATLANTIC	BM	48582	15-Oct-08		
Tapco International Corporation	ATLANTIC	VG	3686	5-Dec-08	4993	5-Apr-09
Tapco International Corporation	INSPIRE	MAP	A0015211	10-Feb-09	993733	10-Feb-09
Tapco International Corporation	TAPCOSLATE	US	77/758624	12-Jun-09		
Tapco International Corporation	PORT-O-SLITTER	US	77/760100	15-Jun-09		
Tapco International Corporation	TAPCOSLATE	EP	8368656	17-Jun-09		
Tapco International Corporation	ATLANTIC	CA	1413142	02-Oct-08		

Copyrights

Owner	Country	Matter	File Date	Reg. Date
Eldorado Stone LLC	US	Automated Database Entitled ELDORADOSTONE.COM/ADOBE	13-Nov-07	29-Mar-09
Eldorado Stone LLC	US	Group Registration for Automated Database Entitled GEMSTONES	13-Nov-07	
Eldorado Stone LLC	US	Automated Database Entitled SYNDECRETE.COM	13-Nov-07	
Eldorado Stone LLC	US	Group Registration for Automated Database entitled TUSCAN ROAD'S	13-Nov-07	
Eldorado Stone LLC	US	Automated Database Entitled ELDORADOSTONE.COM	29-May-08	
Eldorado Stone LLC	US	Automated Database Entitled WALK'THROUGH	29-May-08	
Eldorado Stone LLC	US	Automated Database Entitled ELDORADO BRICK	29-May-08	
Eldorado Stone LLC	US	Automated Database Entitled GEMSTONES	29-May-08	
Eldorado Stone LLC	US	Automated Database Entitled ELDORADOSTONE.COM/ADOBE	29-May-08	
Eldorado Stone LLC	US	Cypress Ridge Profile - Copyright Registration for Printed Product Catalogue	29-May-08	
Eldorado Stone LLC	US	RoughCut Profile - Copyright Registration for Printed Product Catalogue	29-May-08	
Eldorado Stone LLC	US	Eldorado Adobe - Copyright Registration for Printed Product Catalogue	29-May-08	
Eldorado Stone LLC	US	New Eldorado Stone Product Catalog	6-Oct-08	
Eldorado Stone LLC	US	Automated Database Entitled ELDORADOSTONE.COM	2-Mar-09	

Patent Licenses

Headwaters uses the following patents under oral licensing agreements:

Owner	Licensor	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Adtech, Inc. of Illinois	Headwaters Incorporated	PROCESS OF COAL AGGLOMERATION	U.S.	07/743,456	9-Aug-91	5,238,629	24-Aug-93
Bruce Boggs / United States Pollution Control Company, Inc.	Headwaters Resources, Inc.	SLUDGE STABILIZING METHOD AND APPARATUS	U.S.	07/366,993	16-Jun-89	4,943,165	24-Jul-90
Bruce Boggs / United States Pollution Control Company, Inc.	Headwaters Resources, Inc.	SLUDGE STABILIZING METHOD AND APPARATUS	U.S.	07/520,941	9-May-90	5,040,900	20-Aug-91
Rafic Minkara	Headwaters Resources, Inc.	REDUCTION OF AMMONIA IN FLUE GAS AND FLY ASH	U.S.	10/421,191	23-Apr-03		
David Nordmeyer	Headwaters Resources, Inc.	METHOD AND SYSTEM FOR REDUCING AMMONIA SLIP AFTER SELECT REDUCTION OF NOX	Mexico	2007/002,530	1-Mar-07		
Alberta Science and Research Authority	Headwaters Heavy Oil, LLC	PROCESS FOR REDUCING COKE DEPOSITION IN THERMAL UPGRADING PROCESS	CA	2025125	12-Sep-90	2025125	21-Dec-93
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	HYDROCRACKING OF ASPHALTENE-RICH HEAVY OIL	CA	2030975	28-Nov-90	2030975	18-Aug-98
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	IMPROVEMENTS FOR REDUCING COKE DEPOSITION IN THERMAL UPGRADING PROCESS	SE	91310328.9	7-Nov-91	0540793	12-May-93
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	IMPROVEMENTS FOR REDUCING COKE DEPOSITION IN THERMAL UPGRADING PROCESSES	DE	19916024096T	7-Nov-91	69124096	28-May-97
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	HYDROCRACKING PROCESS INVOLVING COLLOIDAL CATALYST FORMED IN SITU	CA	2088402	29-Jan-93	2088402	8-Jul-97

Owner	Licensee	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	HYDROCRACKING PROCESS INVOLVING COLLOIDAL CATALYST FORMED IN SITU	JP	154430/1993	31-May-93	3604414	8-Oct-04
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	HYDROCRACKING PROCESS INVOLVING COLLOIDAL CATALYST FORMED IN SITU	JP	19930154430	31-May-93	3604414	8-Oct-04
Pradham, Conolli, Lee	Headwaters Technology Innovation Group, Inc.	DISPERSED ANION-MODIFIED IRON OXIDE CATALYST	US	08/609759	23-Feb-96	5866501	2-Feb-99
Alberta Oil Sands Technology & Research Authority	Headwaters Heavy Oil, LLC	HYDROCRACKING PROCESS INVOLVING COLLOIDAL CATALYST FORMED IN SITU	US	08/226212	11-Apr-94	5578197	26-Nov-96
Carbon-Hydrogen Technologies Inc.	Headwaters Technology Innovation Group, Inc.	HYDRO INVERSION CATALYZING MULTI-STAGE METHOD, AND REFINING HYDROCARBON RAW MATERIAL	CN	00130567.0	28-Sep-00	00130567.0	16-Feb-05
Zhou, Parasher, Rueter, Wu	Headwaters Technology Innovation Group, Inc.	TOBACCO CATALYST AND METHODS FOR REDUCING THE AMOUNT OF UNDESIRABLE SMALL MOLECULES IN TOBACCO SMOKE	US	11/054196	9-Feb-05		
B. Zhou, Trevino, Wu, Z. Zhou, Liu	Headwaters Technology Innovation Group, Inc.	HEAT TREATMENT OF ANCHORED NANOCATALYSTS IN NON-ZERO OXIDATION STATE AND CATALYSTS MADE BY SUCH METHOD	US	11/101209	7-Apr-05	7449423	11-Nov-08
B. Zhou, Trevino, Wu, Z. Zhou, Liu	Headwaters Technology Innovation Group, Inc.	REFORMING NANOCATALYSTS AND METHOD OF MAKING AND USING SUCH CATALYSTS	US	11/101241	7-Apr-05	7569508	4-Aug-09

Owner	Licensee	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Clémentine, Parasher, Zhou	Headwaters Technology Innovation Group, Inc.	METHODS FOR MANUFACTURING SUPPORTED NANOCATALYSTS AND METHODS FOR USING SUPPORTED NANOCATALYSTS	US	11/126963	10-May-05		
Z. Zhou, Wu, B. Zhou	Headwaters Technology Innovation Group, Inc.	SUPPORTED NANOPARTICLE CATALYSTS MANUFACTURED USING CAGED CATALYST ATOMS	US	11/228568	16-Sep-05		
Sun, Tang, Sun, Xin, Liu, Zhou	Headwaters Technology Innovation Group, Inc.	FUEL CELLS AND FUEL CELL CATALYSTS INCORPORATING A NANORING SUPPORT	US	11/244521	6-Oct-05		
Zhou, Liu, Reyes	Headwaters Technology Innovation Group, Inc.	METHODS FOR MANUFACTURING FUNCTIONALIZED INORGANIC OXIDES AND POLYMERS INCORPORATING THE SAME	US	11/333559	17-Jan-06		
Zhou, Trevino, Wu	Headwaters Technology Innovation Group, Inc.	REFORMING CATALYSTS HAVING A CONTROLLED COORDINATION STRUCTURE AND METHODS FOR PREPARING SUCH COMPOSITIONS	US	11/435165	16-May-06		
Reyes, Fransson, Trevino, Zhou	Headwaters Technology Innovation Group, Inc.	SUPPORTED NICKEL CATALYSTS HAVING HIGH NICKEL LOADING AND HIGH METAL DISPERSION AND METHODS OF MAKING SAME	US	11/534595	22-Sep-06		
Barry Taylor	Tapco International Corporation	OUTDOOR WINDOW SHUTTER	US	08/857879	16-May-1997	5848505	15-Dec-1998

Owner	Licensee	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Charles Schiedegger	Tapco International Corporation	ELECTRICAL BLOCK	US	09/789695	21-Feb-2001	6359220	19-Mar-2002
Daniel King	Tapco International Corporation	IMPROVEMENTS IN CONTINUOUS PRODUCTION OF PLASTIC SIDING PANELS WITH SEPARATE SHINGLE APPEARANCE	US	09/919136	31-Jul-2001	6635218	21-Oct-2003
David Bonshor	Tapco International Corporation	WATER DEFLECTION APPARATUS	US	10/328018	26-Dec-02	6951081	4-Oct-05
Daniel King	Tapco International Corporation	SHAKE SIDING PANEL	US	29/207176	09-Jun-2004	D507666	19-Jul-2005
Daniel King	Tapco International Corporation	CONTINUOUS PRODUCTION OF PLASTIC SIDING PANELS WITH SEPARATE SHINGLE APPEARANCE	US	10/999559	30-Nov-2004	7296989	20-Nov-2007
Charles Schiedegger	Tapco International Corporation	DECORATIVE MOLDING	US	11/035315	14-Jan-05		
Kirk Cameron	Tapco International Corporation	SHUTTER ASSEMBLY FOR STORM AND SECURITY PROTECTION	US	11/070619	02-Mar-05		
Logan Richard	Tapco International Corporation	GLUE MANIFOLD FOR A FUNCTIONAL SHUTTER	US	11/326098	05-Jan-2006		
David Bonshor	Tapco International Corporation	WATER DEFLECTION APPARATUS FOR USE WITH A WALL MOUNTING BRACKET	US	11/390071	28-Mar-06		
Jeffrey Jaycox	Tapco International Corporation	LOCKING ASSEMBLY FOR SHUTTERS	US	11/410551	25-Apr-2006		
Allen Clyde	Tapco International Corporation	ADJUSTABLE MOUNT ASSEMBLY	US	11/415951	01-May-2006		
Todd Lajewski	Tapco International Corporation	HOUSING ASSEMBLY	US	11/429045	05-May-2006		
David Bonshor	Tapco International Corporation	EXTERIOR SIDING MOUNTING BRACKETS WITH A WATER DIVERSION DEVICE	US	11/438165	22-May-06	7516578	14-Apr-09

Owner	Licensee	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
David Bonshor	Tapco International Corporation	EXTERIOR SILL	US	11/439030	23-May-2006		
David Bonshor	Tapco International Corporation	EXTERIOR SIDING MOUNTING BRACKET ASSEMBLY AND METHOD OF ASSEMBLY	US	11/423849	13-Jun-2006		
Robert Hendricks	Tapco International Corporation	CAP-ON-CAP MOUNTING BLOCK	US	11/482521	07-Jul-06		
Jeffrey Jaycon	Tapco International Corporation	SHUTTER ASSEMBLY	US	11/458601	19-Jul-2006		
Clyde Kutler, Greenway, Logan	Tapco International Corporation	LOCKABLE SHUTTER ASSEMBLY	US	11/470501	06-Sep-2006		
Logan Richard	Tapco International Corporation	CEMENT SHUTTER	US	11/536468	28-Sep-2006		
Daniel King	Tapco International Corporation	SYSTEM AND METHOD FOR MAKING DECORATIVE BUILDING PANELS HAVING A VARIEGATED APPEARANCE	US	11/539822	09-Oct-2006		
George Glen	Tapco International Corporation	WINDOW WELL	US	11/670505	02-Feb-2007		
Timothy Roush	Tapco International Corporation	PORTABLE HAND TOOL	US	11/749438	16-May-07	7516638	14-Apr-09
Logan Richard	Tapco International Corporation	CEMENT SHUTTER HANGING SYSTEM	US	11/834826	07-Aug-2007		
Robert Hendricks	Tapco International Corporation	UNIVERSAL MOUNTING BLOCK SYSTEM	US	11/981173	31-Oct-07		
Daniel King	Tapco International Corporation	CONTINUOUS PRODUCTION OF PLASTIC SIDING PANELS WITH SEPARATE SHINGLE APPEARANCE	US	11/942502	19-Nov-2007		
Logan Richard	Tapco International Corporation	FOAM CORE CEMENT AND URETHANE SHUTTERS	US	11/960403	19-Dec-07		
Aundrea Nurenberg	Tapco International Corporation	WALL MOUNT ASSEMBLY	US	11/963211	21-Dec-2007		
Logan Richard	Tapco International Corporation	FOAM CORE GYPSUM SHUTTER	US	12/124835	21-May-08		

Owner	Licensor	Patent Name	Country	App No.	App Date	Reg. No.	Reg. Date
Aundrea Nurenberg	Tapco International Corporation	WALL MOUNT ASSEMBLY	US	12/147305	27-Jun-08		

License Agreements

Agreement	Licensor	Licensee	Term
HTI Coal Process and HTI Gelcat Catalyst Technology License Agreement	Headwaters Technology Innovation Group, Inc. (successor to Hydrocarbon Technologies, Inc.)	Shenhua Group Corporation, Ltd.	June 18, 2002 – perpetual (either party may exercise a termination right after June 18, 2013).
License Agreement	Headwaters Technology Innovation Group, Inc. (successor to Hydrocarbon Technologies, Inc.)	Shenhua Group Corporation, Ltd.	September 27, 2003 – perpetual (either party may exercise a termination right after September 27, 2014).
Technology License And Joint Development Agreement	Hydro Dynamics, Inc.	Headwaters Technology Innovation Group, Inc. (successor to Hydrocarbon Technologies, Inc.)	June 11, 2002 – June 11, 2012.
Technology License Agreement for the production of HTI ZIP Catalyst	Headwaters Technology Innovation Group, Inc. (successor to Hydrocarbon Technologies, Inc.)	Zibo Taiguang Chemical Industry Co., Ltd.	December 20, 2002 – until expiration of applicable patent(s).
(HC)3 Technology Agreement	Headwaters Heavy Oil, LLC	North West Upgrading Inc.	April 11, 2005 – April 11 2030
Gas-to-Liquid process Sublicense Agreement	Lyondell Chemical Company	Headwaters Technology Innovation Group, Inc. (successor to Hydrocarbon Technologies, Inc.)	March 3, 2000 – March 3, 2015.
(HC)3 Technology Commercial Test Agreement	Headwaters Heavy Oil, LLC	Neste Oil Corporation	September 22, 2006 – until completion of Commercial Test (currently anticipated to be completed by March 31, 20010)
License Agreement	Mainland Laboratory, Ltd.	Headwaters Resources, Inc. (successor to ISG Resources, Inc.)	April 14, 2000 – life of the patent(s)
Sublicense Agreement	Hydro Conduit Corporation	Headwaters Resources, Inc. (successor to ISG Resources, Inc.)	December 16, 1998 - life of the patent(s)
Non-Exclusive License Agreement	Boss Products Corporation	Tapco International Corporation	June 1, 2002 – life of the patent(s)
License Agreement	Kiltrie Corporation	Headwaters Construction Materials, LLC (successor to Southwest Concrete products, L.P.)	January 9, 1998 – renews on a year-to-year basis
Acoustical Trademark Licensing Agreement	Trenwyth Industries (division of OldcastleAPG)	Headwaters Construction Materials, LLC (successor to Southwest Concrete products, L.P.)	February 1, 2004 – perpetual
Pyrotherm HPCMU Producers License Agreement	TXI Operations, LP	Headwaters Construction Materials, LLC (successor to Southwest Concrete products, L.P.)	March 24, 1999 – renews on a year-to-year basis

Software Licenses (excludes shrink-wrapped products)

Software:	Software Producer:
Headwaters Incorporated	
Microsoft Dynamics GP (formerly Microsoft Business Solutions Great Plains)	Microsoft
Cognos Business Intelligence and Financial Performance Management	IBM
Headwaters Resources, Inc.	
Microsoft Dynamics GP (formerly Microsoft Business Solutions Great Plains)	Microsoft
Cognos Business Intelligence and Financial Performance Management	IBM
SMS Turbo - Scale Management Software	Creative Information Systems, Inc.
Headwaters Construction Materials, LLC	
Sage MAS 200 ERP	Sage Software, Inc.
Cognos Business Intelligence and Financial Performance Management	IBM
Eldorado Stone LLC	
Microsoft Dynamics GP (formerly Microsoft Business Solutions Great Plains)	Microsoft
Cognos Business Intelligence and Financial Performance Management	IBM
Tapco International Corporation	
OHMWARE, OHM EIS, OHMWeb Environment - WADE	OHM Systems, Inc.
Cognos Business Intelligence and Financial Performance Management	IBM

Domain Names

Headwaters Incorporated:	Tapco International Corporation:	Eldorado Stone LLC:
americanigniteenergy.com	atlantic-shutters.com	elderadostone.com
american-lignite-energy.com	atlanticpremiumshutters.com	elderadostone.com
american-lignite-energy.net	atlanticshutter.com	elderadobrick.com
american-lignite-energy.net	atlanticshuttercompany.com	elderadoculturedstone.com
american-lignite-energy.org	atlanticshuttersystems.com	elderadostone.biz
american-lignite-energy.org	atlanticshuttersystems.com	elderadostone.com
bing-zhou.com	buildersedge.com	elderadostone.net
blueflintethanol.com	cedar-vinyl-siding-shakes-shingles.com	elderadostone.us
climatereserve.com	dinesolbp.com	esrockgear.com
climatereserve.net	dinesolbuildingproducts.com	piedras-del-pacifico.com
climatereserve.org	foundrybytapco.com	piedrasdelpacifico.com
covol.com	foundrysiding.com	syndecrete.com
covol.net	greenfieldbuildingproducts.com	dutchqualitystone.com
covoleorder.com	headwatersbp.com	
flex-crete.com	homeofopportunity.com	
flex-crete.net	inspireroofing.com	
flyash.com	inspireroofingproducts.com	
flyashbroker.com	iqsmartmaterial.com	
flyashbroker.net	iqmtechnology.com	
flyashbrokers.com	iqmitrim.com	
flyashbrokers.net	iqmitrimboard.com	
flyashnetwork.com	iqmitrimboards.com	
flyashnetwork.net	maxmanufacturing.com	
globalclimate.net	maxslaterroofing.com	
globalclimatereserve.com	mid-americanproducts.com	
hdwtrs.com	midamericabuilding.com	
hdwtrs.net	midamericacomponents.com	
	motifportfolio.com	