

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
Catalytic Solutions, Inc.	05/28/2010
RECEIVING PARTY DATA	
Name:	EnerTech Capital Partners II L.P. (as Collateral Agent)
Street Address:	Building D, Suite 105
Internal Address:	625 W. Ridge Pike
City:	Conshohocken
State/Country:	PENNSYLVANIA
Postal Code:	19428
PROPERTY NUMBERS Total: 32	
Property Type	Number
Patent Number:	5939354
Patent Number:	5977017
Patent Number:	6352955
Patent Number:	6372686
Patent Number:	6531425
Patent Number:	7014825
Patent Number:	7514055
Patent Number:	7641875
Patent Number:	7527776
Application Number:	11251372
Application Number:	11975389
Application Number:	11156981
Application Number:	12156564
Application Number:	12156561

501198911

PATENT
REEL: 024492 FRAME: 0955

CH \$1280.00 5939354

Application Number:	12315493
Application Number:	11363301
Application Number:	11731570
Application Number:	12313501
Application Number:	12500322
Application Number:	12537655
Application Number:	12215694
Application Number:	12229729
Application Number:	12286118
PCT Number:	US9705867
PCT Number:	US0537196
PCT Number:	US0521740
PCT Number:	US0606454
PCT Number:	US0725490
PCT Number:	US0725566
PCT Number:	US0903800
PCT Number:	US0903799
PCT Number:	US0905294

CORRESPONDENCE DATA

Fax Number: (646)710-5433

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

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Email: DHopkins@Chadbourn.com

Correspondent Name: Dennis Hopkins

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Address Line 2: 30 Rockefeller Plaza

Address Line 4: New York, NEW YORK 10112

ATTORNEY DOCKET NUMBER:	20412.003 CSI
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NAME OF SUBMITTER:	Dennis Hopkins
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Total Attachments: 17

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PATENT
REEL: 024492 FRAME: 0956

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PATENT SECURITY AGREEMENT

(Patents, Patent Applications and Patent Licenses)

WHEREAS CATALYTIC SOLUTIONS, INC. (“CSI”), a California corporation located at 4567 Telephone Road, Suite 206, Ventura, California 93003, ECS HOLDINGS, INC. (“ECS Holdings”), a Delaware corporation located at 111 Superior Avenue, Cleveland, OH 44114, ENGINE CONTROL SYSTEMS LTD. (“ECS Nevada”), a Nevada corporation located at 4910 Longley Lane, Reno, NV 89502 and CSI ALISO, INC. (“CSI Aliso”, and together with CSI, ECS Holdings, ECS Nevada, the “Grantors” and each, a “Grantor”), a California corporation located at 4567 Telephone Road, Suite 206, Ventura, California 93003, and each such Grantor, as applicable, owns, or in the case of licenses is a party to, the Patent Collateral (as defined below);

WHEREAS, CSI, the Secured Parties (as defined in the Security Agreement defined below) and Enertech Capital Partners II L.P. (“Enertech Capital”) as collateral agent for the Secured Parties entered into that certain Securities Purchase Agreement, dated as of May 28, 2010 (the “Purchase Agreement”; defined terms used herein but not otherwise defined having the meanings ascribed in the Purchase Agreement); and

WHEREAS, pursuant to (i) a Guaranty, Pledge and Security Agreement dated as of May 28, 2010 (as amended and/or supplemented from time to time, the “Security Agreement”) among the Grantors, the other grantors and guarantors party thereto and Enertech Capital, as Collateral Agent for the Secured Parties referred to therein (in such capacity, together with its successors in such capacity, the “Grantee”), and (ii) certain other Transaction Documents (including this Patent Security Agreement), each Grantor has secured certain of its obligations (the “Secured Obligations”) by granting to the Grantee for the benefit of such Secured Parties a continuing security interest in personal property of such Grantor, including all right, title and interest of such Grantor in and to the Patent Collateral (as defined below);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor grants to the Grantee for the benefit of the Secured Parties (as defined in the Security Agreement), to secure the Secured Obligations, a continuing security interest in and to all of such Grantor’s right, title and interest in, to and under the following (all of the following items or types of property being herein collectively referred to as the “Patent Collateral”), except to the extent (and only to the extent) prohibited by a Permitted Lien (as defined in the Security Agreement), whether now owned or existing or hereafter acquired or arising:

- (i) each Patent (as defined in the Security Agreement) owned by such Grantor, including, without limitation, each Patent referred to in Schedule 1 hereto;
- (ii) each Patent License (as defined in the Security Agreement) to which such Grantor is a party; and
- (iii) all proceeds of and revenues from the foregoing, including, without limitation, all proceeds of and revenues from any claim by such Grantor against third

parties for past, present or future infringement of any Patent owned by such Grantor (including, without limitation, any Patent identified in Schedule 1 hereto)

provided that, notwithstanding anything herein to the contrary, in no event shall the security interest granted hereunder attach to any lease, license, contract, property rights or agreement to which any Grantor is a party or any of its rights or interests thereunder if and for so long as the grant of such security interest shall constitute or result in (a) the abandonment, invalidation or unenforceability of any right, title or interest of any Grantor therein or (b) in a breach or termination pursuant to the terms of, or a default under, any such lease, license, contract property rights or agreement (other than to the extent that any such term would be rendered ineffective pursuant to Sections 9-406, 9-407, 9-408 or 9-409 of the UCC (as defined in the Security Agreement) (or any successor provision or provisions) of any relevant jurisdiction or any other Applicable Law (as defined in the Security Agreement) (including the Bankruptcy Code (as defined in the Security Agreement)) or principles of equity; provided, however, that such security interest shall attach immediately at such time as the condition causing such abandonment, invalidation or unenforceability shall be remedied and to the extent severable, shall attach immediately to any portion of such lease, license, contract, property rights or agreement that does not result in any of the consequences specified in (a) or (b) above.

Each Grantor acknowledges and affirms that the rights and remedies of the Grantee with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

Notwithstanding anything herein to the contrary, the security interest granted to the Grantee pursuant to this Patent Security Agreement (this “**Patent Security Agreement**”) and the exercise of any right or remedy by the Grantee hereunder are subject to the provisions of the Intercreditor Agreement. In the event of any conflict between the terms of the Intercreditor Agreement and this Patent Security Agreement, the terms of the Intercreditor Agreement shall govern and control.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the 28 of May, 2010.

CATALYTIC SOLUTIONS, INC.

By: 

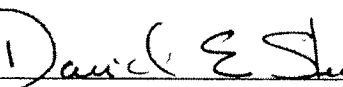
Name: Charles F. Call
Title: Chief Executive Officer

ECS HOLDINGS, INC.

By: 

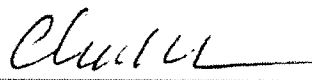
Name: David Shea
Title: Secretary

ENGINE CONTROL SYSTEMS LTD.

By: 

Name: David Shea
Title: Secretary

CSI ALISO, INC.

By: 

Name: Charles F. Call
Title: Chief Executive Officer

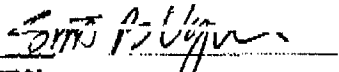
[Patent Security Agreement (CSI)]

Acknowledged:

ENERTECH CAPITAL PARTNERS II L.P.
as Collateral Agent

By: ECP II Management L.P.,
its general partner

By: ECP II Management LLC,
its general partner

By: 
Name: Scott B. Ungerer
Title: President & Chief Executive Officer

[Patent Security Agreement (CSI)]

Schedule 1

Patent Collateral

Catalytic Solutions, Inc.

1. TITLE: PEROVSKITE-TYPE METAL OXIDE COMPOUNDS AND METHODS FOR PREPARING AND USING THE COMPOUNDS

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
06-40222-US	08/630,603	4/10/96		5,939,354	Issued
06-40222-USP	08/797,578	2/07/97		5,977,017	Issued
06-40222-USP 1	09/338,443	6/22/99		6,352,955	Issued
06-40222-USD1	09/710,378	11/10/00		6,372,686	Issued
06-40222-USD	10/006,968	12/04/01		6,531,425	Issued
06-40222-USP2	10/360,385	2/06/03		7,014,825	Issued
06-40224-US C	11/230,980	9/20/05	2006081922	7,514,055	Issued

PCT and foreign counterparts

Reference #	Country	Application Number	Filing date	Publication Number	Patent Number	Status
06-40222-WO	PCT	PCT/US97/05867	04/09/1997	WO 97/37760		Entered National Phase
06-40222-DE	Germany	97920257.9	04/09/1997	1007205	1007205	Validated
06-40222-EP	Europe	97920257.9	04/09/1997	1007205	1007205	Validated
06-40222-FR	France	97920257.9	04/09/1997	1007205	1007205	Validated
06-40222-GB	United Kingdom	97920257.9	04/09/1997	1007205	1007205	Validated
06-40222-JP	Japan	9-536458	04/09/1997	2000515057	3357073	Transferred to TKK 11/08

2. TITLE: PLATINUM GROUP METAL-FREE CATALYSTS FOR REDUCING THE IGNITION TEMPERATURE OF PARTICULATES ON A DIESEL PARTICULATE FILTER

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
06-40225-US	11/251,372	10/14/2005	20060120936		Published 6/8/06 RCE filed 2/6/09. Response to Office Action filed 10/27/09.
06-40225-USD	11/975,389	10/18/2007			Published 9/18/08. Response to Office Action filed 2/16/10.

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
06-40225-WO	PCT	PCT/US05/037196	10/14/2005	WO 2006/044764		Entered National Phase
06-40225-CA	Canada	2,583,778	10/14/2005			Pending. Response to Office Action filed 1/18/10
06-40225-CN	China	200580038581.7	10/14/2005			Transferred to TKK 1/09.
06-40225-EP	Europe	05811914.0	10/14/2005			Pending. Published 7/18/2007
06-40225-JP	Japan	2007-536981	10/14/2005			Transferred to TICC. 11/08
06-40225-KR	South Korea	10-2007-7008524	10/14/2005			Transferred to TKK 11/08
06-40225-MX	Mexico	MX/a/2007/004564	10/14/2005			Pending.

06-40225-HK	Hong Kong	07112052.3	10/14/2005		Recorded from EP application on 8/13/07.
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3. TITLE: CATALYSTS AND PROCESSES FOR SELECTIVE HYDROGENATION OF ACETYLENE AND DIENES IN LIGHT OLEFIN FEEDSTREAMS:

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
06-40189-US	11/156,981	6/20/2005	20060166816		Intentionally Abandoned.
06-40189USD1	12/156,564	6/2/2008			Published 10/2/08.
06-40189USD2	12/156,561	6/2/2008			Published 9/25/08. Response to Final Rejection due 3/10/10 with extensions available until 5/10/10.
06-40189USC	12/315,493	12/3/2008			Published 5/21/09. Response to Final Rejection due 3/30/10 with extensions available until 5/30/10.

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
06-40189-WO	PCT	PCT/US05/021740	6/21/2005	WO 2006/009988		Entered National Phase
06-40189-CN	China	200580020708.2	6/21/2005			Response to Office Action filed 12/6/09.
06-40189-EP	Europe	05762365.4	6/21/2005			Published
06-40189-IN	India	7929/DELNP/2006	6/21/2005			Requested Examination 5/29/07.

06-40189-JP	Japan	2007-518170	6/21/2005		Requested Examination 6/5/07.
06-40189-HK	Hong Kong	07111072.1	6/21/2005		Recorded from EP application on 10/12/07.

4. TITLE: MIXED-PHASE CERAMIC OXIDE THREE-WAY CATALYST FORMULATIONS AND METHODS FOR PREPARING THE CATALYSTS

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
06-40223-USP*	10/894,892	7/19/2004	non-publication requested		Intentionally abandoned.
06-40223-USPD3*	12/156,665	6/3/2008	non-publication requested		Intentionally abandoned.
06-40223-USPD4*	12/156,554	6/3/2008	non-publication requested		Intentionally abandoned.
06-40223-USPC	12/290,775	11/3/2008	non-publication request rescinded 12/1/09 in order to file PCT application.	7,641,875	Issued.

* These applications have not been published and are confidential PCT and Foreign

Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
06-40223-WO/PC	PCT	PCT/US09/66411	12/2/2009			Pending*

*Certain rights for the technology contained in the MIXED-PHASE CERAMIC OXIDE THREE-WAY CATALYST FORMULATIONS AND METHODS FOR PREPARING THE CATALYSTS family have been licensed to TKK in the territory including, at least, Afghanistan, Bangladesh, Brunei, Bhutan, Burma (Myanmar), Cambodia, China, East Timor, Indonesia, Japan, Laos, Macau, Malaysia, Maldives, Mongolia, Nepal, North Korea, Pakistan, Philippines,

Singapore, South Korea, Sri Lanka, Taiwan, Thailand, and Vietnam, and also include India solely with respect to or in connection with two-wheeled means of transportation.

5. TITLE: CATALYST AND METHOD FOR REDUCING NITROGEN OXIDES IN EXHAUST STREAMS WITH HYDROCARBONS OR ALCOHOLS

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
06-40221-US	11/363,301	2/24/2006	20060228283		Pending. Published 10/12/06. Response to Office Action due 5/26/10 with extensions available until 8/26/10.

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
06-40221-WO	PCT	PCT/U506/006454	2/24/2006	WO 2006/093802		Entered National Phase
06-40221-BR	Brazil	PI0607613-0	2/24/2006			Examination requested on 1/14/07.
06-40221-CN	China	200680006155.X	2/24/2006			Transferred to TJCK 1/09.
06-40221-EP	Europe	06721013.8	2/24/2006			Pending.
06-40221-IN	India	5607/DELNP/2007	2/24/2006			Examination requested on 7/25/07.
06-40221-JP	Japan	2007-557164	2/24/2006			Transferred to TKK 11/08

06-40221-MX	Mexico	MX/A/2007/010465	2/24/2006		Pending. Response filed on 12/13/07.
06-40221-HK	Hong Kong	08106639.6	2/24/2006		Pending.

6. TITLE: AMMONIA SCR CATALYST AND METHOD OF USING THE CATALYST

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
07-40010-US	11/651,290	1/09/2007	2008-0166282	7,527,776	Issued
07-40010-USP	11/731,570	3/29/2007	2008-0167178		Pending. Published 7/10/08. Response to Office Action filed 2/26/10
07-40010USC	12/313,501	11/20/2008			Pending. Response to Final Rejection filed 2/17/10.
07-40010-USCP	12/500,322	7/9/2009			Pending. Foreign Filing due 7/9/10.
07-40010-USC2	12/537,655	8/7/2009			Pending Response to Office Action due 3/16/10 with extensions available until 6/16/10.

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
07-40010W0	PCT	PCT/US07/25490	12/13/2007	W008/085265		Entered National Phase
07-40010WOP	PCT	PCT/US07/25566	12/13/2007	W008/085280		Entered National Phase
07-40010EP	Europe	07862857.5	12/13/2007			Pending. File in Hong Kong due 6/2/10.

07-40010EPP	Europe	07853388.2	12/13/2007				Pending- Examination Fee due 4/28/10. File in Hong Kong due 4/28/10.
07-40010CA	Canada	2,675,109	12/13/2007				Pending- Examination Requested 7/9/09.
07-40010CAP	Canada	2,675,129	12/13/2007				Pending- Examination Requested 7/9/09.
07-40010CN	China	200780017726.4	12/13/2007				Transferred to TKK 2/09
07-40010CNP	China	200780018013	12/13/2007				(High Temp.) Transferred to TKK 2/09
07-40010JP	Japan	PCT/US07/25490	12/13/2007				Intentionally abandoned due to duplicate application filed by Miyake & Yamazaki on 11/27/08, per CSI's instructions
07-40010MX	Mexico	MX/A/2009/007353	12/13/2007				Pending.
07-40010MXP	Mexico	MX/A/2009/007355	12/13/2007				Pending.
07-40010KR	South Korea	10-2008-7028066	12/13/2007				Transferred to TKK 12/08
07-40010KRP	South Korea	10-2008-7028188	12/13/2007				(High Temp.) Transferred to TKK 12/08
07-40010-VN	Vietnam	1-2009-01072	12/13/2007				Transferred to TKK 8/09

07-40010-VNP	Vietnam	1-2009-01071	12/13/2007		(High Temp.) Transferred to TICK 8/09
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7. TITLE: ZERO PLATINUM GROUP METAL CATALYSTS

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
08-40119-US	12/215,694	6/27/08	20090324468		Published. Response to Office Action due 4/1/10 with extensions available until 6/1/10.
08-40119-USP	12/229,729	8/26/08	20090324469		Published.

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
08-40119-WO	PCT	PCT/US09/03800	6/26/2009			Pending*
08-40119-WOP	PCT	PCT/US09/03799	6/26/2009			Pending*

*Certain rights for the technology contained in the ZERO PLATINUM GROUP METAL CATALYSTS family have been licensed to TKK, in the territory including, at least, Afghanistan, Bangladesh, Brunei, Bhutan, Burma (Myanmar), Cambodia, China, East Timor, Indonesia, Japan, Laos, Macau, Malaysia, Maldives, Mongolia, Nepal, North Korea, Pakistan, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, and Vietnam, and also include India solely with respect to or in connection with two-wheeled means of transportation.

8. TITLE: IMPROVING ADHESION AND COATING INTEGRITY OF WASHCOATS AND OVERCOATS

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
08-40202-US	12/286,118	9/26/08			Pending. Projected Publication Date
08-40202-WO	PCT/US09/05294	9/24/09			Pending*

*Certain rights for the technology contained in the IMPROVING ADHESION AND COATING INTEGRITY OF WASHCOATS AND OVERCOATS family have been licensed to TKK in the territory including, at least, Afghanistan, Bangladesh, Brunei, Bhutan, Burma (Myanmar), Cambodia, China, East Timor, Indonesia, Japan, Laos, Macau, Malaysia, Maldives, Mongolia, Nepal, North Korea, Pakistan, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, and Vietnam, and also include India solely with respect to or in connection with two-wheeled means of transportation.

Applied Utility Systems, Inc. (CSI Aliso, Inc.)

1. TITLE: EMISSION CONTROL SYSTEM INTERNAL TO A BOILER

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
AUS101	USA					Proposed CIP to 12/150,939.

2. TITLE: CATALYSTS FOR LEAN BURN ENGINES

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
Cat101.Prov	61/180,122	5/20/2009			Pending*

*Certain rights for the technology contained in the CATALYSTS FOR LEAN BURN ENGINES family have been licensed to TKK in the territory including, at least, Afghanistan, Bangladesh, Brunei, Bhutan, Burma (Myanmar), Cambodia, China, East Timor, Indonesia, Japan, Laos, Macau, Malaysia, Maldives, Mongolia, Nepal, North Korea, Pakistan, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, and Vietnam, and also include India solely with respect to or in connection with two-wheeled means of transportation.

Patents Licensed To Johnson Matthey

1. TITLE: A REACTOR SYSTEM FOR REDUCING NOx EMISSIONS FROM BOILERS

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status

07-40010-USP1	USA	12/150,943	4/30/2008			Pending. Published 11/13/08. Response to Office Action filed 2/25/2010 by Ratner Prestia on behalf of Johnson Matthey

2. TITLE: EMISSION CONTROL SYSTEM INTERNAL TO A BOILER

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
07-40010-USP2	USA	12/150,939	4/30/2008			Abandoned. Ratner Prestia intentionally abandoned application on behalf of Johnson Matthey.

Patents Sold To Johnson Matthey

1. TITLE: INTEGRATED CATALYTIC/NON-CATALYTIC PROCESS FOR SELECTIVE
REDUCTION OF NITROGEN OXIDES

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
06-40243-US	08/333,501	11/01/1994		5,510,092	Issued

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status

06-40244-CA	Canada	2,174,477	4/18/1996	2,174,477	Issued
06-40245-DE	Germany	0803278	4/22/1996	0803278	Issued
06-40245-EP	Europe	96302822.0	4/22/1996	0803278	Issued
06-40245-IT	Italy	96302822.0	4/22/1996	0803278	Issued
06-40245-NL	Netherlands	96302822.0	4/22/1996	0803278	Issued
06-40245-SE	Sweden	96302822.0	4/22/1996	0803278	Issued

2. TITLE: METHOD OF REDUCING NITROGEN OXIDES IN A GAS STREAM WITH VAPORIZED AMMONIA

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
08-40085-US	12/150,940	4/30/2008	20090274601		Published.

3. TITLE: WASTE HEAT BOILER (HRSG TYPE)

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
08-40104-USPR*	61/127,708	5/15/2008			Expired

* This application has not been published and is confidential.

4. TITLE: EMISSION REDUCTION SYSTEM FOR USE WITH A HEAT RECOVERY STEAM GENERATION SYSTEM

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
08-40104-USP	12/214,541	6/19/2008	20090282803		Published.

PCT and Foreign Counterparts

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
08-40104-WOP	PCT	PCT/US09/02951	5/13/2009			Pending

5. TITLE: A REACTOR SYSTEM FOR REDUCING NOx EMISSIONS FROM BOILERS

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
07-40010-	PCT	PCT/US09/02678	4/30/2009			Pending.

6. TITLE: EMISSION CONTROL SYSTEM INTERNAL TO A BOILER

Reference #	Country	Application Number	Filing Date	Publication Number	Patent Number	Status
07-40010-	PCT	PCT/US09/02679	4/30/2009			Pending.

ECS Holdings, Inc.

1. TITLE: METHOD AND APPARATUS FOR TREATING DIESEL EXHAUST GAS TO REMOVE FINE PARTICULATE MATTER

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
	07/658,874	2/22/1991		5,203,166	Issued

PCT and foreign counterparts

Reference #	Country	Application Number	Filing date	Publication Number	Patent Number	Status
	Canada	2,104,675	2/24/1992		2,104,675	Issued

2. TITLE: OXIDATION CATALYTIC CONVERTER SYSTEM FOR SMALL SPARK IGNITED ENGINES

US Patent Family

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
	08/813,475	3/7/1997		5,921,080	Issued

PCT and foreign counterparts

Reference #	Country	Application Number	Filing date	Publication Number	Patent Number	Status
	Canada	2,230,766	3/2/1998		2,230,766	Issued
	United Kingdom	9804527.1	3/3/1998		2,322,816	Issued

3. TITLE: APPARATUS AND METHOD FOR REGENERATING A CARBON FILTER

Reference #	Application Number	Filing date	Publication Number	Patent Number	Status
09-40125-US	12/480,455	6/8/09			Pending. Foreign Filing due 6/8/2010.