Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: **NEW ASSIGNMENT** NATURE OF CONVEYANCE: Notice of Patent and Trademark Security Interest

CONVEYING PARTY DATA

Name	Execution Date
Catalytic Solutions, Inc.	12/19/2007

RECEIVING PARTY DATA

Name:	Fifth Third Bank
Street Address:	20 Bay Street
Internal Address:	12th Floor
City:	Toronto
State/Country:	CANADA
Postal Code:	M51 2NB

PROPERTY NUMBERS Total: 17

Property Type	Number
Patent Number:	5939354
Patent Number:	5977017
Patent Number:	6352955
Patent Number:	6372686
Patent Number:	6531425
Patent Number:	7014825
Application Number:	11230980
Application Number:	11251372
Application Number:	11156981
Application Number:	10894892
Application Number:	11363301
Application Number:	11651290
Application Number:	11731570
PCT Number:	US9705867
	DATENT

PATENT

500431301 **REEL: 020309 FRAME: 0413**

PCT Number:	US0537196	
PCT Number:	US0521740	
PCT Number:	US0606454	

CORRESPONDENCE DATA

Fax Number: (415)268-7522

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

Phone: 4152686219

Email: shawnkim@mofo.com

Correspondent Name: Shawn Kim

Address Line 1: Morrison & Foerster LLP

Address Line 2: 425 Market Street

Address Line 4: San Francisco, CALIFORNIA 94105

NAME OF SUBMITTER:

Patricia Tsao

Total Attachments: 26

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NOTICE OF PATENT AND TRADEMARK SECURITY INTEREST

This NOTICE OF PATENT AND TRADEMARK SECURITY INTEREST (the "Agreement"), dated as of December 19, 2007, is entered into between Catalytic Solutions, Inc., a California corporation (the "Grantor"), and Fifth Third Bank (acting through its Canada Branch), an authorized foreign bank under the Bank Act, as lender under the Loan Agreement referred to below (the "Lender").

RECITALS

WHEREAS, Grantor and Engine Control Systems Limited, a New Brunswick unlimited liability corporation and wholly-owned subsidiary of Grantor, as borrowers (in such capacity, "Borrowers"), and the Lender are parties to an Amended and Restated Loan Agreement, dated as of the date hereof (as amended, modified, renewed or extended from time to time, the "Loan Agreement"), with ECS Holdings, Inc., a Delaware corporation, Engine Control Systems Ltd., a Nevada corporation, Unikat Acquisition Co. AB, a Swedish corporation, and Engine Control Systems Europe AB, a Swedish corporation, each as a guarantor;

WHEREAS, pursuant to the Loan Agreement, the Lender has agreed to make extensions of credit to Borrowers:

WHEREAS, in connection with the Loan Agreement, the Grantor has entered into a Security Agreement, dated as of the date hereof (the "Security Agreement"; all capitalized terms used in this Agreement and not otherwise defined herein having the meanings assigned to them in the Security Agreement), in favor of the Lender

WHEREAS, pursuant to the Security Agreement, the Grantor, as security for the payment or performance, as the case may be, of all Secured Obligations, has granted to Lender a security interest in Grantor's entire right, title, and interest in and to its Intellectual Property, including Patents and Trademarks;

WHEREAS, the Grantor has duly authorized the execution, delivery and performance of this Agreement;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are acknowledged, the parties hereby agree as follows:

- 1. <u>Confirmation of Grant of Security Interest</u>. The Grantor hereby confirms that, subject to existing licenses to use the Patents and Trademarks granted by the Grantor in the ordinary course of its business (if any), pursuant to the Security Agreement it has granted to the Lender a security interest in all of the Patents and Trademarks of the Grantor, including without limitation those listed on Schedule I hereto, as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Secured Obligations.
- 2. <u>Purpose</u>. This Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest with the United States Patent and Trademark Office. This Agreement is expressly subject to the terms and conditions of the Security

Notice of Security Interest in IP - Catalytic Solutions, Inc.

Agreement. The Security Agreement (and all rights and remedies of the Lender thereunder) shall remain in full force and effect in accordance with its terms.

3. <u>Acknowledgment</u>. The Grantor does hereby acknowledge and affirm that the rights and remedies of the Lender with respect to the security interest in the Trademarks are more fully set forth in the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein.

[signatures to follow]

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first written above

LETH (HIRD BANK (acting) brough its Canada branch)

CATALYTIC SOLUTIONS, INC.

By Jeremith A. Hynes

Vice President & Principal Difficer

Name: RONALD W. PLOUVAN

THE CHIEF FINANCIAL AFTICEY

Notice of Security Interest in IP - Categorie Solutions Inc.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first written above.

FIFTH THIRD BANK (acting through its

Canada branch)

President & Principal Officer

CATALYTIC SOLUTIONS, INC.

Nume: RONARD W. REDURA

By

Harrison Mullin Vice President

Notice of Security Interest in IP - Catalytic Solutions, Inc.

Received Time Dec. 19. 5:05PM.

Schedule I

TRADEMARKS

United States Trademark Application

Filing Date

Mark

Application or

Registration Number	0,202			
78/937,104	CSI	July 25, 2006	U.S.A.	Pending
77/037,582	AUS	November 6, 2006	U.S.A.	Response to Office Action due 6/22/07
77/037,574	Misc. Design	November 6, 2006	U.S.A.	Response to Office Action due 6/22/07
	Foreig	n Trademark Ap	plications	
Application	Mark	Filing Date	Countries	
Number				war m bil
A0005383	CSI	July 26, 2006	Albania	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Antigua and	Within Time Period
			Barbuda	for Opposition
Λ0005383	CSI	July 26, 2006	Armenia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Netherland	Within Time Period
			Antilles	for Opposition
A0005383	CSI	July 26, 2006	Australia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Austria	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Bahrain	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Belarus	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Benelux (Belgium, Netherlands, Luxembourg)	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Bhutan	Within Time Period
A0005383	CSI	July 26, 2006	Bulgaria	for Opposition Within Time Period for Opposition
A0005383	CSI	July 26, 2006	China	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Croatia	Within Time Period for Opposition

Notice of Security Interest in IP - Catalytic Solutions, Inc.

PATENT REEL: 020309 FRAME: 0419

Status

A0005383	CSI	July 26, 2006	Cuba	Within Time Period
A0005383	CSI	July 26, 2006	Cyprus	for Opposition Within Time Period
A0005383	CSI	July 26, 2006	Czech Republic	for Opposition Within Time Period
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A0005383	CSI	July 26, 2006	Estonia	Per client, allow to go
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A0005383	CSI	July 26, 2006	European Community	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Finland	Within Time Period
A 0005292	CSI	11 26, 2006	France	for Opposition Within Time Period
A0005383	CSI	July 26, 2006	rrance	for Opposition
A0005383	CSI	July 26, 2006	Georgia	Within Time Period
710003363	CSI	July 20, 2000	Georgia	for Opposition
A0005383	CSI	July 26, 2006	Germany	Within Time Period
. 1000000			,	for Opposition
A0005383	CSI	July 26, 2006	Greece	Within Time Period
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A0005383	CSI	July 26, 2006	Hungary	Within Time Period
				for Opposition
A0005383	CSI	July 26, 2006	Iceland	Within Time Period
				for Opposition
A0005383	CSI	July 26, 2006	lran	Within Time Period
	001	1 1 04 0004		for Opposition
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A 0005202	CCI	1.1 26 2006	Itali	for Opposition Within Time Period
A0005383	CSI	July 26, 2006	Italy	for Opposition
A0005383	CSI	July 26, 2006	Japan	Within Time Period
7,0003303	C51	July 20, 2000	Japan	for Opposition
A0005383	CSI	July 26, 2006	Kenya	Within Time Period
710005005	001	241, 20, 2000	12011, 4	for Opposition
A0005383	CSI	July 26, 2006	Kyrgyzstan	Within Time Period
		3	<i>J CJ</i>	for Opposition
A0005383	CSI	July 26, 2006	North Korea	Per client, allow to go
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A0005383	CSI	July 26, 2006	South Korea	Within Time Period
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A0005383	CSI	July 26, 2006	Latvia	Within Time Period
. 000=202	(3/21	1.1.04.004	T 41	for Opposition
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				for Opposition

A0005383	CSI	July 26, 2006	Liechtenstein	Within Time Period
4.0005383	CSI	July 26, 2006	Lithuania	for Opposition Within Time Period
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A0005383	CSI	July 26, 2006	Macedonia	Within Time Period
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710005505	25.	va., 20, 200		for Opposition
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7100000		,	J	for Opposition
A0005383	CSI	July 26, 2006	Serbia and	Within Time Period
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A0005383	CSI	July 26, 2006	Slovenia	Within Time Period
70000000	051	5 di j 20, 2000	Bioroma	for Opposition
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710003303	00.	· , == , ==		for Opposition
A0005383	CSI	July 26, 2006	Swaziland	Within Time Period
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		-		for Opposition
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				for Opposition

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A0005383	CSI	July 26, 2006	WPO	Pending
		niae sakhir ngika.		
A0005377	Double Arrow	July 26, 2006	Albania	Within Time Period
A0003377	Double Arrow Design Mark	July 20, 2000	Aluallia	for Opposition
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	Design Mark		au t	for Opposition
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A0005377	Double Arrow	July 26, 2006	Croatia	Within Time Period
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A0005377	Double Arrow	July 26, 2006	Cuba	within time refloc

	Dosian Mark			for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Cyprus	Within Time Period
A0003377	Design Mark	July 20, 2000	Cyprus	for Opposition
A 0005277		1.1 24 2006	Casab Danublia	Within Time Period
A0005377	Double Arrow	July 26, 2006	Czech Republic	
	Design Mark	1.1.26.2006	D	for Opposition Within Time Period
A0005377	Double Arrow	July 26, 2006	Denmark	
	Design Mark	x 1 04 0004	n	for Opposition
A0005377	Double Arrow	July 26, 2006	Estonia	Within Time Period
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	Design Mark			for Opposition
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	Design Mark	3		C
A0005377	Double Arrow	July 26, 2006	Italy	Within Time Period
	Design Mark	, , ,	,	for Opposition
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710005577	Design Mark	00.7 20, 2000		for Opposition
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110003311	Design Mark	July 20, 2000	11011) a	for Opposition
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A0005377	Double Arrow	July 26, 2006	North Korea	Within Time Period
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A0005377	Double Arrow	July 26, 2006	South Korea	Within Time Period
A0003377	Design Mark	July 20, 2000	South Rolea	for Opposition
A 0005277	-	1.1. 26 2006	Lotrio	Within Time Period
Λ0005377	Double Arrow	July 26, 2006	Latvia	for Opposition
A 0005277	Design Mark	July 26, 2006	Lesotho	Within Time Period
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4.0005277	Design Mark	July 26, 2004	Liechtenstein	Within Time Period
A0005377	Double Arrow	July 26, 2006	Liechtenstein	WILLIAM FILLE FELLOU

	Design Mark			for Opposition
A0005377	Double Arrow	July 26, 2006	Lithuania	Within Time Period
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4.0005377	Design Mark	11 . 26 . 2006	C- ···	for Opposition
A0005377	Double Arrow	July 26, 2006	Syria	Within Time Period

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+ 0005 255	Design Mark	1.1.26.2006	Total	for Opposition
A0005377	Double Arrow	July 26, 2006	Turkey	Opposition period
. 000.5388	Design Mark	1.1.27.2007	To almost Laters	opened
A0005377	Double Arrow	July 26, 2006	Turkmenistan	Within Time Period
	Design Mark		v 11 •	for Opposition
A0005377	Double Arrow	July 26, 2006	Ukraine	Within Time Period
	Design Mark			for Opposition
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A0005377	Double Arrow	July 26, 2006	Viet Nam	Within Time Period
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A0005377	Double Arrow	July 26, 2006	Zambia	Within Time Period
	Design Mark			for Opposition
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				for Opposition
Λ0005371	MPC	July 26, 2006	Antigua and	Within Time Period
			Barbuda	for Opposition
A0005371	MPC	July 26, 2006	Armenia	Within Time Period
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A0005371	MPC	July 26, 2006	Cuba	Within Time Period
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				• •

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* 0005271	MPC	July 26, 2006	Denmark	Opposition opened
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A0003371	MITC	July 20, 2000	Community	for Opposition
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A0003371	MIC	July 20, 2000	1 Illiana	for Opposition
A 0005271	MPC	July 26, 2006	France	Within Time Period
A0005371	MIC	July 20, 2000	Tance	for Opposition
1.0005371	MDC	1.1 26 2006	Georgia	Within Time Period
Λ0005371	MPC	July 26, 2006	Georgia	for Opposition
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A0005371	MPC	July 26, 2006	Germany	
	1 (DC)	1.1.26.2006	C	for Opposition Within Time Period
Λ0005371	MPC	July 26, 2006	Greece	
	N 4D C	1.1.26.2006	11	for Opposition Within Time Period
A0005371	MPC	July 26, 2006	Hungary	
		1.1.26.2006	1 1 1	for Opposition
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A0005371	MPC	July 26, 2006	North Korea	Per client, allow to go
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	_			for Opposition
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A0003371	WIFC	July 20, 2000	MOTOCCO	for Opposition
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. 10003377	0	<i>0.01.</i>) 20, 2, 3	, , , , , , , , , , , , , , , , , , , ,	for Opposition
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710003371	Wit C	<i>var, 20, 2000</i>	ogapo.c	instructions
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		•	Republic	for Opposition
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				for Opposition
A0005371	MPC	July 26, 2006	Spain	Within Time Period
				for Opposition
A0005371	MPC	July 26, 2006	Swaziland	Within Time Period
A 00005371	MDC	1.1.26.2006	C 1 .	for Opposition
A0005371	MPC	July 26, 2006	Sweden	Within Time Period
A0005371	MPC	July 26, 2006	Switzerland	for Opposition Within Time Period
A0003371	MFC	July 20, 2000	Switzerfallu	for Opposition
A0005371	MPC	July 26, 2006	Syria	Within Time Period
1100000011	1411	Daily 20, 2000	Syria	for Opposition
A0005371	MPC	July 26, 2006	Turkey	Within Time Period
		•	-	for Opposition

A0005371	MPC	July 26, 2006	Turkmenistan	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Ukraine	Within Time Period
A0005571	MPC	July 20, 2000	Oktaine	for Opposition
A 0005271	MPC	July 26, 2006	United	Opposition opened
A0005371	MPC	July 20, 2000		Opposition opened
4.000 <i>0</i> .7371	MDC	1.1.26.2006	Kingdom	Within Time Period
A0005371	MPC	July 26, 2006	Viet Nam	
	1.000		F7 1 1	for Opposition
A0005371	MPC	July 26, 2006	Zambia	Within Time Period
			MINO	for Opposition
A0005371	MPC	July 26, 2006	WPO	Pending
A0005381	Catalytic	July 26, 2006	Albania	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Antigua and	Within Time Period
	Solutions		Barbuda	for Opposition
A0005381	Catalytic	July 26, 2006	Armenia	Within Time Period
	Solutions			for Opposition
Δ0005381	Catalytic	July 26, 2006	Netherland	Within Time Period
	Solutions		Antilles	for Opposition
A0005381	Catalytic	July 26, 2006	Australia	Provisional Rejection
	Solutions			Response due 1/20/08
A0005381	Catalytic	July 26, 2006	Austria	Within Time Period
	Solutions	•		for Opposition
A0005381	Catalytic	July 26, 2006	Bahrain	Within Time Period
	Solutions	•		for Opposition
A0005381	Catalytic	July 26, 2006	Belarus	Within Time Period
	Solutions	·		for Opposition
A0005381	Catalytic	July 26, 2006	Benelux	Within Time Period
	Solutions		(Belgium,	for Opposition
			Netherlands,	
			Luxembourg)	
A0005381	Catalytic	July 26, 2006	Bhutan	Within Time Period
	Solutions	, ,		for Opposition
A0005381	Catalytic	July 26, 2006	Bulgaria	Within Time Period
110000001	Solutions	,	&	for Opposition
A0005381	Catalytic	July 26, 2006	China	Within Time Period
710003301	Solutions	va., 20, 2000	· · · · · · · · · · · · · · · · · · ·	for Opposition
A0005381	Catalytic	July 26, 2006	Croatia	Within Time Period
710005501	Solutions	July 20, 2000	C. Curra	for Opposition
A0005381	Catalytic	July 26, 2006	Cuba	Within Time Period
770007301	Solutions	July 20, 2000	Cuou	for Opposition
A0005381	Catalytic	July 26, 2006	Cyprus	Within Time Period
A0003361	Solutions	July 20, 2000	Сургаз	for Opposition
A 0005291		July 26, 2006	Czech Republic	Response will be filed
A0005381	Catalytic Solutions	July 20, 2000	Czech Kepublic	by 9/16/07.
	Solutions			Uy 3/10/07.

A0005381	Catalytic Solutions	July 26, 2006	Denmark	Response due by 7/28/07.
A0005381	Catalytic Solutions	July 26, 2006	Estonia	Response due by 8/5/07.
A0005381	Catalytic Solutions	July 26, 2006	European Community	Response filed 5/14/07.
A0005381	Catalytic Solutions	July 26, 2006	Finland	Abandoned per CSI's instructions
A0005381	Catalytic Solutions	July 26, 2006	France	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Georgia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Germany	Response due by 9/17/07.
A0005381	Catalytic Solutions	July 26, 2006	Greece	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Hungary	Response due by 9/1/07.
Δ0005381	Catalytic Solutions	July 26, 2006	Iceland	Abandoned per CSI's instructions
A0005381	Catalytic Solutions	July 26, 2006	Iran	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Ireland	Abandoned per CSI's instructions
A0005381	Catalytic Solutions	July 26, 2006	Italy	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Japan	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Kenya	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Kyrgyzstan	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	North Korea	Per client, allow to go abandoned.
A0005381	Catalytic Solutions	July 26, 2006	South Korea	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Latvia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Lesotho	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Liechtenstein	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Lithuania	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Moldova	Within Time Period for Opposition

Notice of Security Interest in $\mathit{IP}-\mathit{Catalytic}$ Solutions, Inc .

A0005381	Catalytic Solutions	July 26, 2006	Macedonia	Within Time Period for Opposition
4.0005791		July 26, 2006	Monaco	Within Time Period
A0005381	Catalytic	July 26, 2006	Monaco	for Opposition
4.000.63.01	Solutions	I.J. 26 2006	Manaslia	Within Time Period
A0005381	Catalytic	July 26, 2006	Mongolia	
	Solutions	1.1.04.2004	6 11 1	for Opposition
A0005381	Catalytic	July 26, 2006	Serbia and	Within Time Period
	Solutions		Montenegro	for Opposition
A0005381	Catalytic	July 26, 2006	Morocco	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Mozambique	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Namibia	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Norway	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Poland	Within Time Period
	Solutions	•		for Opposition
A0005381	Catalytic	July 26, 2006	Portugal	Within Time Period
	Solutions	•	•	for Opposition
A0005381	Catalytic	July 26, 2006	Romania	Within Time Period
	Solutions	•		for Opposition
A0005381	Catalytic	July 26, 2006	Russian	Within Time Period
1,0000550.	Solutions		Federation	for Opposition
A0005381	Catalytic	July 26, 2006	Sierra Leone	Within Time Period
710005501	Solutions	July 20. 2000	Biella Beolie	for Opposition
A0005381	Catalytic	July 26, 2006	Singapore	Abandoned per CSI's
710003301	Solutions	July 20, 2000	omgapore	instructions
A0005381	Catalytic	July 26, 2006	Slovak	Within Time Period
A0003361	Solutions	July 20, 2000	Republic	for Opposition
A 0005281		July 26, 2006	Slovenia	Within Time Period
A0005381	Catalytic	July 20, 2000	Siovenia	for Opposition
A 0005201	Solutions	11 26 2006	Carain	
A0005381	Catalytic	July 26, 2006	Spain	Response due by
. 0005201	Solutions	1.1.26.2006	0 11 1	7/22/07.
A0005381	Catalytic	July 26, 2006	Swaziland	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Sweden	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Switzerland	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Syria	Within Time Period
	Solutions			for Opposition
A0005381	Catalytic	July 26, 2006	Turkey	Working with Turkish
	Solutions			counsel to respond by
				7/1/07.
A0005381	Catalytic	July 26, 2006	Turkmenistan	Within Time Period

A0005381	Solutions Catalytic Solutions	July 26, 2006	Ukraine	for Opposition Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	United Kingdom	Response to Prov. Refusal due 7/13/07
Λ0005381	Catalytic Solutions	July 26, 2006	Viet Nam	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Zambia	Within Time Period for Opposition
Λ0005381	Catalytic Solutions	July 26, 2006	WPO	Pending
A0007959	AUS	April 26, 2007	Albania	Filed
A0007959	AUS	April 26. 2007	Antigua and Barbuda	Filed
A0007959	AUS	April 26, 2007	Armenia	Filed
A0007959	AUS	April 26, 2007	Netherland Antilles	Filed
A0007959	AUS	April 26, 2007	Australia	Filed
A0007959	AUS	April 26, 2007	Austria	Filed
A0007959	AUS	April 26, 2007	Bahrain	Filed
A0007959	AUS	April 26, 2007	Belarus	Filed
A0007959	AUS	April 26, 2007	Benelux (Belgium, Netherlands, Luxembourg)	Filed
A0007959	AUS	April 26, 2007	Bhutan	Filed
A0007959	AUS	April 26, 2007	Bulgaria	Filed
A0007959	AUS	April 26, 2007	China	Filed
A0007959	AUS	April 26, 2007	Croatia	Filed
A0007959	AUS	April 26, 2007	Cuba	Filed
Λ0007959	AUS	April 26, 2007	Cyprus	Filed
A0007959	AUS	April 26, 2007	Czech Republic	Filed

A0007959	AUS	April 26, 2007	Denmark	Filed
A0007959	AUS	April 26, 2007	Estonia	Filed
A0007959	AUS	April 26, 2007	European Community	Filed
A0007959	AUS	April 26, 2007	Finland	Filed
A0007959	AUS	April 26, 2007	France	Filed
A0007959	AUS	April 26, 2007	Georgia	Filed
A0007959	AUS	April 26, 2007	Germany	Filed
A0007959	AUS	April 26, 2007	Greece	Filed
A0007959	AUS	April 26, 2007	Hungary	Filed
A0007959	AUS	April 26, 2007	Iceland	Filed
A0007959	AUS	April 26, 2007	Iran	Filed
A0007959	AUS	April 26, 2007	Ireland	Filed
A0007959	AUS	April 26, 2007	Italy	Filed
A0007959	AUS	April 26, 2007	Japan	Filed
A0007959	AUS	April 26, 2007	Kenya	Filed
A0007959	AUS	April 26, 2007	Kyrgyzstan	Filed
A0007959	AUS	April 26, 2007	North Korea	Filed
A0007959	AUS	April 26, 2007	South Korea	Filed
A0007959	AUS	April 26, 2007	Latvia	Filed
A0007959	AUS	April 26, 2007	Lesotho	Filed
A0007959	AUS	April 26, 2007	Liechtenstein	Filed
A0007959	AUS	April 26, 2007	Lithuania	Filed
A0007959	AUS	April 26, 2007	Moldova	Filed

A0007959	AUS	April 26, 2007	Macedonia	Filed
A0007959	AUS	April 26, 2007	Monaco	Filed
A0007959	AUS	April 26, 2007	Mongolia	Filed
A0007959	AUS	April 26, 2007	Scrbia and Montenegro	Filed
A0007959	AUS	April 26, 2007	Morocco	Filed
A0007959	AUS	April 26, 2007	Mozambique	Filed
A0007959	AUS	April 26, 2007	Namibia	Filed
A0007959	AUS	April 26, 2007	Norway	Filed
A0007959	AUS	April 26, 2007	Poland	Filed
A0007959	AUS	April 26, 2007	Portugal	Filed
A0007959	AUS	April 26, 2007	Romania	Filed
A0007959	AUS	April 26, 2007	Russian Federation	Filed
A0007959	AUS	April 26, 2007	Sierra Leone	Filed
A0007959	AUS	April 26, 2007	Singapore	Filed
A0007959	AUS	April 26, 2007	Slovak Republic	Filed
A0007959	AUS	April 26, 2007	Slovenia	Filed
A0007959	AUS	April 26, 2007	Spain	Filed
A0007959	AUS	April 26, 2007	Swaziland	Filed
A0007959	AUS	April 26, 2007	Sweden	Filed
A0007959	AUS	April 26, 2007	Switzerland	Filed
A0007959	AUS	April 26, 2007	Syria	Filed
A0007959	AUS	April 26, 2007	Turkey	Filed
A0007959	AUS	April 26, 2007	Turkmenistan	Filed

Notice of Security Interest in $\mathit{IP}-\mathit{Catalytic}$ Solutions, Inc .

A0007959	A0007959	AUS	April 26, 2007	Ukraine	Filed
A0007959	A0007959	AUS	April 26		Filed
A0007959	A0007959	AUS	•	Viet Nam	Filed
A0007958	A0007959	AUS		Zambia	Filed
Misc. Color Design April 26, 2007 Antigua and Filed	A0007959	AUS			
Design 2007 Antigua and Filed Barbuda Filed Barbuda Filed Design 2007 Antigua and Filed Barbuda Filed Design 2007 Armenia Filed Design 2007 Antigua and Filed Design 2007 Armenia Filed Design 2007 Antilles Filed Antilles Filed Design 2007 Antilles Filed Antilles Filed Design 2007 Antilles Filed Antilles					
Misc. Color Design April 26, Croatia Filed April 26, Design April 26, Design April 26, Croatia Filed April 26, Design April 26, Design April 26, Cuba Filed April 26, Design April 26, Design April 26, Design April 26, Cuba Filed April 26, Design April 26, Design April 26, Cuba Filed April 26, Design April 26, Design April 26, Cuba Filed April 26, Cuba April	A0007958			Albania	Filed
Design 2007 Barbuda					11:1 1
Misc. Color	A0007958		•		riled
Design 2007					13.1 - 1
A0007958	A0007958			Armenia	Filed
Design 2007 Antilles				N. (1 1 1	Dita.d
Misc. Color April 26, Australia Filed	A0007958		•		riled
Design 2007 Austria Filed Design 2007					1211 1
A0007958 Misc. Color Design 2007 April 26, Austria Filed	A0007958			Australia	Filed
Design 2007					rail t
A0007958 Misc. Color April 26, Bahrain Filed	A0007958			Austria	Filed
Design 2007 A0007958 Misc. Color April 26, Belarus Filed Design 2007 A0007958 Misc. Color April 26, Benelux Filed Design 2007 (Belgium, Netherlands, Luxembourg) A0007958 Misc. Color April 26, Bhutan Filed Design 2007 A0007958 Misc. Color April 26, Bulgaria Filed Design 2007 A0007958 Misc. Color April 26, China Filed Design 2007 A0007958 Misc. Color April 26, Croatia Filed Design 2007 A0007958 Misc. Color April 26, Croatia Filed Croatia Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Cyprus Filed Design 2007 April 26, Czech Republic Filed Cyprus Filed Design 2007 April 26, Czech Republic Filed Cyprus Cyprus				D 1 :	1211 1
A0007958 Misc. Color Design April 26, 2007 Belarus Filed A0007958 Misc. Color Design April 26, Benelux Filed (Belgium, Netherlands, Luxembourg) A0007958 Misc. Color Design April 26, Bhutan Filed Design A0007958 Misc. Color April 26, Bulgaria Filed Design Bulgaria Filed Filed Design A0007958 Misc. Color April 26, China Filed Design Croatia Filed Design A0007958 Misc. Color April 26, Croatia Filed Design Croatia Filed Design A0007958 Misc. Color April 26, Cuba Filed Design Color April 26, Cuba Filed Design A0007958 Misc. Color April 26, Cyprus Filed Design Color April 26, Cyprus Filed Design A0007958 Misc. Color April 26, Cyprus Filed Design Color April 26, Cyprus Filed Design A0007958 Misc. Color April 26, Cyprus Filed Design Color April 26, Cyprus Filed Design	A0007958			Bahrain	Filed
Design 2007 April 26, Benelux Filed Design 2007 (Belgium, Netherlands, Luxembourg)					D'1 1
A0007958 Misc. Color Design April 26, 2007 Benelux (Belgium, Netherlands, Luxembourg) A0007958 Misc. Color Design April 26, 2007 Bhutan Filed A0007958 Misc. Color April 26, Design Bulgaria Filed A0007958 Misc. Color April 26, China Filed Design 2007 A0007958 Misc. Color April 26, Croatia Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007	A0007958		-	Belarus	Filed
Design 2007 (Belgium, Netherlands, Luxembourg)					****
Netherlands, Luxembourg	A0007958				Filed
Luxembourg A0007958 Misc. Color April 26, Bhutan Filed		Design	2007	` U	
A0007958 Misc. Color Design April 26, 2007 Bhutan Filed A0007958 Misc. Color Design April 26, 2007 Bulgaria Filed A0007958 Misc. Color Design April 26, 2007 China Filed A0007958 Misc. Color April 26, Croatia Filed Design 2007 Filed A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed				•	
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A0007958 Misc. Color April 26, Bulgaria Filed Design 2007 A0007958 Misc. Color April 26, China Filed Design 2007 A0007958 Misc. Color April 26, Croatia Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007	A0007958		•	Bhutan	Filed
Design 2007 A0007958 Misc. Color Design April 26, China Filed Design 2007 A0007958 Misc. Color April 26, Croatia Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007				D 1 :	F'1 1
A0007958 Misc. Color Design April 26, 2007 China Filed A0007958 Misc. Color Design April 26, 2007 Croatia Filed A0007958 Misc. Color April 26, 2007 Cuba Filed A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007	A0007958			Bulgaria	Filed
Design 2007 A0007958 Misc. Color Design April 26, Croatia Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007					v:11 1
A0007958 Misc. Color April 26, Croatia Filed Design 2007 A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007	A0007958		•	China	Filed
Design 2007 A0007958 Misc. Color Design April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007					P'I I
A0007958 Misc. Color April 26, Cuba Filed Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007	Λ0007958		•	Croatia	Filed
Design 2007 A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007				0.1	77'1 1
A0007958 Misc. Color April 26, Cyprus Filed Design 2007 A0007958 Misc. Color April 26, Czech Republic Filed Design 2007	A0007958		•	Cuba	riled
Design 2007 A0007958 Misc. Color April 26. Czech Republic Filed Design 2007					mil. d
A0007958 Misc. Color April 26. Czech Republic Filed Design 2007	A0007958			Cyprus	riled
Design 2007	1000000			C=+c1. D== 1.1*	Filed
	A0007958		•	Czech Republic	riied
A000/958 Misc. Color April 26. Denmark Filed	10007070			Danmarl:	Filed
	A0007958	Misc. Color	April 26,	Denmark	rneu

	Design	2007		
A0007958	Misc. Color	April 26,	Estonia	Filed
	Design	2007		511
A0007958	Misc. Color	April 26,	European	Filed
	Design	2007	Community	
A0007958	Misc. Color	April 26,	Finland	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	France	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Georgia	Filed
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A0007958	Misc. Color	April 26,	Germany	Filed
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A0007958	Misc. Color	April 26,	Greece	Filed
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A0007958	Misc. Color	April 26,	Hungary	Filed
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A0007958	Misc. Color	April 26,	Iran	Filed
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A0007958	Misc. Color	April 26,	Ireland	Filed
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A0007958	Misc. Color	April 26,	Italy	Filed
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A0007958	Misc. Color	April 26,	Japan	Filed
,	Design	2007	1	
A0007958	Misc. Color	April 26,	Kenya	Filed
	Design	2007	•	
A0007958	Misc. Color	April 26,	Kyrgyzstan	Filed
	Design	2007	- J - BJ	
A0007958	Misc. Color	April 26,	North Korea	Filed
710007720	Design	2007		
A0007958	Misc. Color	April 26,	South Korea	Filed
710007730	Design	2007		
A0007958	Misc. Color	April 26,	Latvia	Filed
110007730	Design	2007	241114	- 1104
A0007958	Misc. Color	April 26,	Lesotho	Filed
710007750	Design	2007	Deserve	1 1104
A0007958	Misc. Color	April 26,	Liechtenstein	Filed
AUUU1730	Design	2007	Licentensteni	1 1100
A0007958	Misc. Color	April 26,	Lithuania	Filed
AUUU / 320	Design	2007	Linuama	Titou
A0007958	Misc. Color	April 26,	Moldova	Filed
110001750	Design	2007	MOIGOVA	. 1100
A0007958	Misc. Color	April 26,	Macedonia	Filed
710007750	Mise. Color	7 sp. 11 204		- 1100

	Design	2007		
A0007958	Misc. Color	April 26,	Monaco	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Mongolia	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Serbia and	Filed
	Design	2007	Montenegro	
A0007958	Misc. Color	April 26,	Morocco	Filed
	Design	2007		
A0007958	Misc. Color	April 26.	Mozambique	Filed
	Design	2007	,	
A0007958	Misc. Color	April 26,	Namibia	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Norway	Filed
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A0007958	Misc. Color	April 26,	Portugal	Filed
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A0007958	Misc. Color	April 26,	Russian	Filed
	Design	2007	Federation	
A0007958	Misc. Color	April 26,	Sierra Leone	Filed
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A0007958	Misc. Color	April 26,	Singapore	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Slovak	Filed
	Design	2007	Republic	
A0007958	Misc. Color	April 26,	Slovenia	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Spain	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Swaziland	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Sweden	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Switzerland	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Syria	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Turkey	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Turkmenistan	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Ukraine	Filed

	Design	2007		
A0007958	Misc. Color	April 26	United	Filed
	Design		Kingdom	
A0007958	Misc. Color	April 26,	Viet Nam	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	Zambia	Filed
	Design	2007		
A0007958	Misc. Color	April 26,	WPO	Filed
	Design	2007		
		S		
1,310,987	CSI	July 29, 2006	Canada	Response to Office
				Action due 11/2/07
1,310,986	Double Arrow	July 29, 2006	Canada	Pending
	Design Mark			
1,310,988	MPC	July 29, 2006	Canada	Response filed 2/1/07
1,310,989	Catalytic	July 29, 2006	Canada	Response to Office
	Solutions	- -		Action due 5/1/07
1475741	CSI	August 1,	India	Response filed
		2006		1/15/07
1475737	Double Arrow	August 1,	India	Pending
	Design Mark	2006		_
1475738	MPC	August 1,	India	Response filed
		2006		11/14/06
1475739	Catalytic	August 1,	India	Hearing on 2/5/07
	Solutions	2006		Pending

PATENTS

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

US Patent Family

Application Number	Filing date	Publication Number	Patent Number	Status
08/630,603	04/10/96		5,939,354	Issued
08/797,578	02/07/97		5,977,017	Issued
09/338,443	06/22/99		6,352,955	Issued
09/710,378	11/10/00		6,372,686	Issued
10/006,968	12/04/01		6,531,425	Issued
10/360,385	02/06/03		7,014,825	Issued
11/230,980	09/20/05	2006081922		Pending

PCT and foreign counterparts

Country	Application Number	Filing date	Publication Number	Patent Number	Status
PCT	PCT/US97/05 867	04/09/199 7	WO 97/37760		Entered National Phase
Germany	97920257.9	04/09/199	1007205	1007205	Validated
Europe	97920257.9	04/09/199 7	1007205	1007205	Validated
France	97920257.9	04/09/199	1007205	1007205	Validated
United Kingdom	97920257.9	04/09/199	1007205	1007205	Validated
Japan	9-536458	04/09/199 7	2000515057	3357073	Patented

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

US Patent Family

Application	Filing	Publication	Patent	Status
Number	date	Number	Number	
11/251.372	10/14/2005	20060120936		Pending

PCT and Foreign Counterparts

Country	Application Number	Filing Date	Publication Number	Patent Number	Status
PCT	PCT/US05/03719 6	10/14/200 5	WO 2006/044764		Entered National Phase
Canada	PCT/US05/03719	10/14/200			Request

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	6	5	Examinatio n by 10/14/2010
China	PCT/US05/03719 6	10/14/200 5	Request Examinatio n by 10/14/2007
Europe	05811914.0	10/14/200 5	Pending
Japan	PCT/US05/03719 6	10/14/200 5	Request Examinatio n by 10/14/2008
South Korea	PCT/US05/03719 6	10/14/200 5	Request Examinatio n by 10/14/2010
Mexico	PCT/US05/03719 6	10/14/200 5	Pending

3. TITLE: CATALYSTS AND PROCESSES FOR SELECTIVE HYDROGENATION OF ACETYLENE AND DIENES IN LIGHT OLEFIN FEEDSTREAMS:

Application Number	Filing date	Publication Number	Patent Number	Status
11/156,981	06/20/2005	20060166816		Pending

PCT and Foreign Counterparts

Country	Application Number	Filing Date	Publication Number	Patent Number	Status
PCT	PCT/US05/02174 0	06/21/200	WO 2006/009988		Entered National Phase
China	200580020708.2	06/21/200 5			Requested Examination on 4/13/07.
Europe	05762365.4	06/21/200 5			Pending
India	7929/DELNP/200 6	06/21/200 5			Request Examination by 06/23/2008 Power of Attorney due 6/27/07.
Japan	PCT/US2005/021	06/21/200			Request

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740	5		Examination
			by 06/21/2008

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

US Patent Family

Application Number	Filing date	Publication Number	Patent Number	Status
10/894,892	07/19/2004	non-publication requested		Pending

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

US Patent Family

RECORDED: 01/03/2008

Application	Filing	Publication	Patent	Status
Number	date	Number	Number	
11/363,301	02/24/2006			Pending

PCT and Foreign Counterparts

Country	Application Number	Filing Date	Publication Number	Patent Number	> Status
PCT	PCT/US06/00645	02/24/200	WO		National
	4	6	2006/093802		Phase Entry
					by 8/28/07

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

Application Number	Filing date	Publication Number	Patent Number	Status
11/651,290	01/09/2007			Pending. Foreign filing due by 01/09/2008
11/731,570	03/29/2007			Pending. Foreign filing due by 01/09/2008

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