

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Catalytic Solutions, Inc.		12/19/2007	CORPORATION: CALIFORNIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Fifth Third Bank (acting through its Canada Branch)		
<b>Street Address:</b>	20 Bay Street, 12 Floor		
<b>City:</b>	Toronto ONT		
<b>State/Country:</b>	CANADA		
<b>Postal Code:</b>	M512NB		
<b>Entity Type:</b>	Foreign Banking Corporation: CANADA		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	78937104	CSI	
<b>Serial Number:</b>	77037582	AUS	
<b>Serial Number:</b>	77037574		
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(415)268-7522		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	(415) 268-6036		
<b>Email:</b>	rlal@mofo.com		
<b>Correspondent Name:</b>	John Kline, Senior Paralegal		
<b>Address Line 1:</b>	Morrison & Foerster LLP, 425 Market St.		
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94105-2482		
<b>ATTORNEY DOCKET NUMBER:</b>	22171-6		
<b>DOMESTIC REPRESENTATIVE</b>			
<b>Name:</b>			

CH \$90.00 78937104

Address Line 1:

Address Line 2:

Address Line 3:

Address Line 4:

NAME OF SUBMITTER:	John Kline
Signature:	/John Kline/
Date:	12/20/2007

**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. Confirmation of Grant of Security Interest. 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. Purpose. 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

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. Acknowledgment. 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.

FIFTH THIRD BANK (acting through its  
Canada branch)

CATALYTIC SOLUTIONS, INC

By \_\_\_\_\_  
Jeremiah A. Hynes  
Vice President & Principal Officer

By   
Name: RONALD W. RIOSAN  
Title: CHIEF FINANCIAL OFFICER

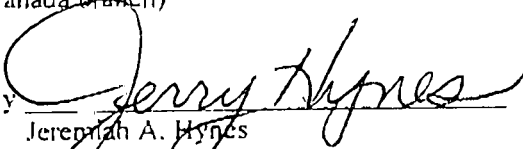
By   
Harlan Mullin  
Vice President

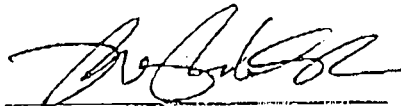
*Notice of Security Interest in IP - Catalytic Solutions, Inc*

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

FIFTH THIRD BANK (acting through its Canada branch)

CATALYTIC SOLUTIONS, INC.

By   
Jeremiah A. Hynes  
Vice President & Principal Officer

By   
Name: RONALD W. RIDDAH  
Title: CHIEF FINANCIAL OFFICER

By \_\_\_\_\_  
Harrison Mullin  
Vice President

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

Schedule I  
TRADEMARKS

**United States Trademark Application**

<b>Application or Registration Number</b>	<b>Mark</b>	<b>Filing Date</b>		<b>Status</b>
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

**Foreign Trademark Applications**

<b>Application Number</b>	<b>Mark</b>	<b>Filing Date</b>	<b>Countries</b>	
A0005383	CSI	July 26, 2006	Albania	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Antigua and Barbuda	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Armenia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Netherland Antilles	Within Time Period 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 for Opposition
A0005383	CSI	July 26, 2006	Bulgaria	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

A0005383	CSI	July 26, 2006	Cuba	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Cyprus	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Czech Republic	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Denmark	Opposition Opened
A0005383	CSI	July 26, 2006	Estonia	Per client, allow to go abandoned.
A0005383	CSI	July 26, 2006	European Community	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Finland	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	France	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Georgia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Germany	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Greece	Within Time Period for Opposition
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	Iran	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Ireland	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Italy	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Japan	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Kenya	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Kyrgyzstan	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	North Korea	Per client, allow to go abandoned.
A0005383	CSI	July 26, 2006	South Korea	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Latvia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Lesotho	Within Time Period for Opposition

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0204**



A0005383	CSI	July 26, 2006	Liechtenstein	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Lithuania	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Moldova	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Macedonia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Monaco	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Mongolia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Serbia and Montenegro	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Morocco	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Mozambique	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Namibia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Norway	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Poland	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Portugal	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Romania	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Russian Federation	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Sierra Leone	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Singapore	Abandoned per CSI's instructions
A0005383	CSI	July 26, 2006	Slovak Republic	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Slovenia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Spain	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Swaziland	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Sweden	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Switzerland	Within Time Period for Opposition

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**TRADEMARK**  
**REEL: 003683 FRAME: 0205**

A0005383	CSI	July 26, 2006	Syria	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Turkey	Opposition opened
A0005383	CSI	July 26, 2006	Turkmenistan	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Ukraine	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	United Kingdom	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Viet Nam	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	Zambia	Within Time Period for Opposition
A0005383	CSI	July 26, 2006	WPO	Pending



A0005377	Double Arrow Design Mark	July 26, 2006	Albania	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Antigua and Barbuda	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Armenia	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Netherland Antilles	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Australia	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Austria	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Bahrain	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Belarus	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Benelux (Belgium, Netherlands, Luxembourg)	Statement of Grant Issued 3/22/07.
A0005377	Double Arrow Design Mark	July 26, 2006	Bhutan	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Bulgaria	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	China	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Croatia	Within Time Period for Opposition
A0005377	Double Arrow Design Mark	July 26, 2006	Cuba	Within Time Period

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

A0005377	Design Mark Double Arrow	July 26, 2006	Cyprus	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Czech Republic	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Denmark	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Estonia	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	European Community	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Finland	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	France	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Georgia	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Germany	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Greece	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Hungary	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Iceland	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Iran	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Ireland	for Opposition Registered
A0005377	Design Mark Double Arrow	July 26, 2006	Italy	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Japan	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Kenya	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Kyrgyzstan	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	North Korea	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	South Korea	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Latvia	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Lesotho	for Opposition Within Time Period
A0005377	Design Mark Double Arrow	July 26, 2006	Liechtenstein	for Opposition Within Time Period

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0207**

A0005377	Design Mark Double Arrow	July 26, 2006	Lithuania	for Opposition Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Moldova	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Macedonia	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Monaco	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Mongolia	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Serbia and Montenegro	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Morocco	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Mozambique	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Namibia	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Norway	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Poland	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Portugal	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Romania	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Russian Federation	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Sierra Leone	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Singapore	Abandoned per CSI's instructions
A0005377	Design Mark Double Arrow	July 26, 2006	Slovak Republic	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Slovenia	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Spain	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Swaziland	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Sweden	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Switzerland	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Syria	Within Time Period

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0208**

A0005377	Design Mark Double Arrow	July 26, 2006	Turkey	for Opposition Opposition period opened
A0005377	Design Mark Double Arrow	July 26, 2006	Turkmenistan	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Ukraine	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	United Kingdom	Registered
A0005377	Design Mark Double Arrow	July 26, 2006	Viet Nam	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	Zambia	Within Time Period for Opposition
A0005377	Design Mark Double Arrow	July 26, 2006	WPO	Pending
A0005371	MPC	July 26, 2006	Albania	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Antigua and Barbuda	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Armenia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Netherland Antilles	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Australia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Austria	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Bahrain	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Belarus	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Benelux (Belgium, Netherlands, Luxembourg)	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Bhutan	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Bulgaria	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	China	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Croatia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Cuba	Within Time Period for Opposition

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0209**

A0005371	MPC	July 26, 2006	Cyprus	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Czech Republic	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Denmark	Opposition opened Response due by 8/5/07.
A0005371	MPC	July 26, 2006	Estonia	
A0005371	MPC	July 26, 2006	European Community	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Finland	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	France	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Georgia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Germany	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Greece	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Hungary	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Iceland	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Iran	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Ireland	Pending
A0005371	MPC	July 26, 2006	Italy	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Japan	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Kenya	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Kyrgyzstan	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	North Korea	Per client, allow to go abandoned.
A0005371	MPC	July 26, 2006	South Korea	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Latvia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Lesotho	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Liechtenstein	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Lithuania	Within Time Period for Opposition

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0210**

A0005371	MPC	July 26, 2006	Moldova	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Macedonia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Monaco	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Mongolia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Serbia and Montenegro	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Morocco	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Mozambique	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Namibia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Norway	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Poland	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Portugal	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Romania	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Russian Federation	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Sierra Leone	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Singapore	Abandoned per CSI's instructions
A0005371	MPC	July 26, 2006	Slovak Republic	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Slovenia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Spain	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Swaziland	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Sweden	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Switzerland	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Syria	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Turkey	Within Time Period for Opposition

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0211**

A0005371	MPC	July 26, 2006	Turkmenistan	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Ukraine	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	United Kingdom	Opposition opened
A0005371	MPC	July 26, 2006	Viet Nam	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	Zambia	Within Time Period for Opposition
A0005371	MPC	July 26, 2006	WPO	Pending
A0005381	Catalytic Solutions	July 26, 2006	Albania	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Antigua and Barbuda	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Armenia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Netherland Antilles	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Australia	Provisional Rejection Response due 1/20/08
A0005381	Catalytic Solutions	July 26, 2006	Austria	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Bahrain	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Belarus	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Benelux (Belgium, Netherlands, Luxembourg)	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Bhutan	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Bulgaria	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	China	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Croatia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Cuba	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Cyprus	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Czech Republic	Response will be filed by 9/16/07.

*Notice of Security Interest in IP – Catalytic Solutions, Inc.*

**TRADEMARK**  
**REEL: 003683 FRAME: 0212**



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.
A0005381	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

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**TRADEMARK**  
**REEL: 003683 FRAME: 0213**

A0005381	Catalytic Solutions	July 26, 2006	Macedonia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Monaco	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Mongolia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Serbia and Montenegro	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Morocco	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Mozambique	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Namibia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Norway	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Poland	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Portugal	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Romania	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Russian Federation	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Sierra Leone	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Singapore	Abandoned per CSI's instructions
A0005381	Catalytic Solutions	July 26, 2006	Slovak Republic	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Slovenia	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Spain	Response due by 7/22/07.
A0005381	Catalytic Solutions	July 26, 2006	Swaziland	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Sweden	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Switzerland	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Syria	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Turkey	Working with Turkish counsel to respond by 7/1/07.
A0005381	Catalytic Solutions	July 26, 2006	Turkmenistan	Within Time Period

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**TRADEMARK**  
**REEL: 003683 FRAME: 0214**

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
A0005381	Catalytic Solutions	July 26, 2006	Viet Nam	Within Time Period for Opposition
A0005381	Catalytic Solutions	July 26, 2006	Zambia	Within Time Period for Opposition
A0005381	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
A0007959	AUS	April 26, 2007	Cyprus	Filed
A0007959	AUS	April 26, 2007	Czech Republic	Filed

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**TRADEMARK**  
**REEL: 003683 FRAME: 0215**

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

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**TRADEMARK**  
**REEL: 003683 FRAME: 0216**

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	Serbia 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

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**TRADEMARK**  
**REEL: 003683 FRAME: 0217**

A0007959	AUS	April 26, 2007	Ukraine	Filed
A0007959	AUS	April 26	United Kingdom	Filed
A0007959	AUS	April 26, 2007	Viet Nam	Filed
A0007959	AUS	April 26, 2007	Zambia	Filed
A0007959	AUS	April 26, 2007	WPO	Filed
A0007958	Misc. Color Design	April 26, 2007	Albania	Filed
A0007958	Misc. Color Design	April 26, 2007	Antigua and Barbuda	Filed
A0007958	Misc. Color Design	April 26, 2007	Armenia	Filed
A0007958	Misc. Color Design	April 26, 2007	Netherland Antilles	Filed
A0007958	Misc. Color Design	April 26, 2007	Australia	Filed
A0007958	Misc. Color Design	April 26, 2007	Austria	Filed
A0007958	Misc. Color Design	April 26, 2007	Bahrain	Filed
A0007958	Misc. Color Design	April 26, 2007	Belarus	Filed
A0007958	Misc. Color Design	April 26, 2007	Benelux (Belgium, Netherlands, Luxembourg)	Filed
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 Design	April 26, 2007	Croatia	Filed
A0007958	Misc. Color Design	April 26, 2007	Cuba	Filed
A0007958	Misc. Color Design	April 26, 2007	Cyprus	Filed
A0007958	Misc. Color Design	April 26, 2007	Czech Republic	Filed
A0007958	Misc. Color	April 26,	Denmark	Filed

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**TRADEMARK**  
**REEL: 003683 FRAME: 0218**

	Design	2007		
A0007958	Misc. Color Design	April 26, 2007	Estonia	Filed
A0007958	Misc. Color Design	April 26, 2007	European Community	Filed
A0007958	Misc. Color Design	April 26, 2007	Finland	Filed
A0007958	Misc. Color Design	April 26, 2007	France	Filed
A0007958	Misc. Color Design	April 26, 2007	Georgia	Filed
A0007958	Misc. Color Design	April 26, 2007	Germany	Filed
A0007958	Misc. Color Design	April 26, 2007	Greece	Filed
A0007958	Misc. Color Design	April 26, 2007	Hungary	Filed
A0007958	Misc. Color Design	April 26, 2007	Iceland	Filed
A0007958	Misc. Color Design	April 26, 2007	Iran	Filed
A0007958	Misc. Color Design	April 26, 2007	Ireland	Filed
A0007958	Misc. Color Design	April 26, 2007	Italy	Filed
A0007958	Misc. Color Design	April 26, 2007	Japan	Filed
A0007958	Misc. Color Design	April 26, 2007	Kenya	Filed
A0007958	Misc. Color Design	April 26, 2007	Kyrgyzstan	Filed
A0007958	Misc. Color Design	April 26, 2007	North Korea	Filed
A0007958	Misc. Color Design	April 26, 2007	South Korea	Filed
A0007958	Misc. Color Design	April 26, 2007	Latvia	Filed
A0007958	Misc. Color Design	April 26, 2007	Lesotho	Filed
A0007958	Misc. Color Design	April 26, 2007	Liechtenstein	Filed
A0007958	Misc. Color Design	April 26, 2007	Lithuania	Filed
A0007958	Misc. Color Design	April 26, 2007	Moldova	Filed
A0007958	Misc. Color Design	April 26, 2007	Macedonia	Filed

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**TRADEMARK**  
**REEL: 003683 FRAME: 0219**

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

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**TRADEMARK**  
**REEL: 003683 FRAME: 0220**



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

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**TRADEMARK**  
**REEL: 003683 FRAME: 0221**

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/US97/05867	04/09/1997	WO 97/37760		Entered National Phase
Germany	97920257.9	04/09/1997	1007205	1007205	Validated
Europe	97920257.9	04/09/1997	1007205	1007205	Validated
France	97920257.9	04/09/1997	1007205	1007205	Validated
United Kingdom	97920257.9	04/09/1997	1007205	1007205	Validated
Japan	9-536458	04/09/1997	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 Number	Filing date	Publication Number	Patent Number	Status
11/251,372	10/14/2005	20060120936		Pending

PCT and Foreign Counterparts

Country	Application Number	Filing Date	Publication Number	Patent Number	Status
PCT	PCT/US05/037196	10/14/2005	WO 2006/044764		Entered National Phase
Canada	PCT/US05/03719	10/14/200			Request

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**TRADEMARK**  
**REEL: 003683 FRAME: 0222**

	6	5			Examination by 10/14/2010
China	PCT/US05/03719 6	10/14/2005			Request Examination by 10/14/2007
Europe	05811914.0	10/14/2005			Pending
Japan	PCT/US05/03719 6	10/14/2005			Request Examination by 10/14/2008
South Korea	PCT/US05/03719 6	10/14/2005			Request Examination by 10/14/2010
Mexico	PCT/US05/03719 6	10/14/2005			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	06/21/2005	WO 2006/009988		Entered National Phase
China	200580020708.2	06/21/2005			Requested Examination on 4/13/07.
Europe	05762365.4	06/21/2005			Pending
India	7929/DELNP/2006	06/21/2005			Request Examination by 06/23/2008 Power of Attorney due 6/27/07.
Japan	PCT/US2005/021	06/21/2005			Request

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**TRADEMARK  
REEL: 003683 FRAME: 0223**

	740	5			Examination by 06/21/2008
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**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

Application Number	Filing date	Publication Number	Patent Number	Status
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 4	02/24/2006	WO 2006/093802		National 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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