

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Lawrence A. Smith Jr.</td> <td>07/25/2008</td> </tr> <tr> <td>Abraham P. Gelbein</td> <td>08/06/2008</td> </tr> <tr> <td>William M. Cross Jr.</td> <td>07/25/2008</td> </tr> </tbody> </table>		Name	Execution Date	Lawrence A. Smith Jr.	07/25/2008	Abraham P. Gelbein	08/06/2008	William M. Cross Jr.	07/25/2008
Name	Execution Date								
Lawrence A. Smith Jr.	07/25/2008								
Abraham P. Gelbein	08/06/2008								
William M. Cross Jr.	07/25/2008								
RECEIVING PARTY DATA									
Name:	Catalytic Distillation Technologies								
Street Address:	10100 Bay Area Blvd								
City:	Pasadena								
State/Country:	TEXAS								
Postal Code:	77507								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12134652</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12134652				
Property Type	Number								
Application Number:	12134652								
CORRESPONDENCE DATA									
Fax Number:	(713)228-8778								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	7132288600								
Email:	wright@oshaliang.com								
Correspondent Name:	Jeffrey S. Bergman								
Address Line 1:	1221 McKinney Street								
Address Line 2:	Suite 2800								
Address Line 4:	Houston, TEXAS 77010								
ATTORNEY DOCKET NUMBER:	17344/176001 TLW								
NAME OF SUBMITTER:	Jeffrey S. Bergman								

Total Attachments: 3
 source=17344_176001_20080908104242#page1.tif

500640776

**PATENT
 REEL: 021494 FRAME: 0788**

OP \$40.00 12134652

source=17344_176001_20080908104242#page2.tif

source=17344_176001_20080908104242#page3.tif

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

Catalytic Distillation Technologies

having the following address:

10100 Bay Area Blvd
Pasadena, Texas 77507

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

GASOLINE ALKYLATE RVP CONTROL

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHA LIANG LLP

PATENT
REEL: 021494 FRAME: 0790

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

7-25-08
Date

1st Inventor Signature: Lawrence A. Smith Jr.
Print or Type Name: Lawrence A. Smith, Jr.

Date

2nd Inventor Signature: _____
Print or Type Name: Abraham P. Gelbein

7-25-08
Date

3rd Inventor Signature: William M. Cross, Jr.
Print or Type Name: William M. Cross, Jr.

Date

4th Inventor Signature: _____
Print or Type Name: _____

State of Texas
County of Harris

NOTARY PUBLIC

Before me personally appeared: Lawrence A. Smith, Jr. ~~Abraham P. Gelbein~~
1st Inventor 2nd Inventor
William M. Cross, Jr. _____
3rd Inventor 4th Inventor

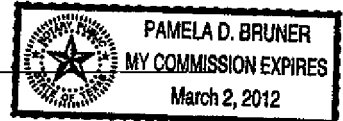
5th Inventor 6th Inventor

7th Inventor 8th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 7-25-08

Pamela D. Bruner
Notary Public My commission expires:



WITNESSES

7/25/08
Date

Signature of Witness: [Signature]
Print or Type Name: ARVIDS JUDZIS JR

25 July 08
Date

Signature of Witness: [Signature]
Print or Type Name: BRUCE HEARN

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:
U.S. Application Serial No.: 12/134,652
Filing Date: June 6, 2008

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

_____	1 st Inventor Signature: _____
Date	Print or Type Name: Lawrence A. Smith, Jr.
8-6-08	
_____	2 nd Inventor Signature: _____
Date	Print or Type Name: Abraham P. Gelbein
_____	3 rd Inventor Signature: _____
Date	Print or Type Name: William M. Cross, Jr.
_____	4 th Inventor Signature: _____
Date	Print or Type Name: _____

NOTARY PUBLIC

State of North Carolina
 County of Wake

Before me personally appeared: Lawrence A. Smith, Jr. Abraham P. Gelbein
1st Inventor 2nd Inventor

William M. Cross, Jr. _____
3rd Inventor 4th Inventor

_____ 5th Inventor 6th Inventor

_____ 7th Inventor 8th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 8-6-08 Douglas D Robinson 4-3-2010
Notary Public My commission expires:

DOUGLAS D ROBINSON
 Notary Public
 Wake County
 North Carolina
 My Commission Expires Apr 3, 2010

WITNESSES

Signature of Witness: _____
 Date _____
 Print or Type Name: _____

Signature of Witness: _____
 Date _____
 Print or Type Name: _____

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 12/134,652
Filing Date: June 6, 2008