

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Paul F. Keusenkothen</td> <td>08/13/2008</td> </tr> <tr> <td>James N. McCoy</td> <td>09/08/2008</td> </tr> <tr> <td>Frank Hershkowitz</td> <td>08/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	Paul F. Keusenkothen	08/13/2008	James N. McCoy	09/08/2008	Frank Hershkowitz	08/08/2008
Name	Execution Date								
Paul F. Keusenkothen	08/13/2008								
James N. McCoy	09/08/2008								
Frank Hershkowitz	08/08/2008								
RECEIVING PARTY DATA									
Name:	ExxonMobil Chemical Patents Inc.								
Street Address:	13501 Katy Freeway								
City:	Houston								
State/Country:	TEXAS								
Postal Code:	77079								
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>12119762</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12119762				
Property Type	Number								
Application Number:	12119762								
CORRESPONDENCE DATA									
Fax Number:	(281)834-0135								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	281-834-1571								
Email:	linda.l.thompson@exxonmobil.com								
Correspondent Name:	EXXONMOBIL CHEMICAL COMPANY								
Address Line 1:	5200 BAYWAY DRIVE								
Address Line 2:	P.O. BOX 2149								
Address Line 4:	BAYTOWN, TEXAS 77522-2149								
ATTORNEY DOCKET NUMBER:	2007EM150/2 (813106)								
NAME OF SUBMITTER:	Rick F. James								

Total Attachments: 10
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PATENT
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ASSIGNMENT

INVENTOR(S):

Paul F. KEUSENKOTHEN

James N. McCOY

Frank HERSHKOWITZ

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of and/or promise of payment which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

- 1) UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled:

**“PYROLYSIS REACTOR CONVERSION OF HYDROCARBON FEEDSTOCKS INTO
HIGHER VALUE HYDROCARBONS”**

and being further identified as USSN Application No.: 12/119,762; Atty. Docket No. 2007EM150/2, filed, May 13, 2008, and all rights of priority created by said application under provisions of international conventions or treaties.

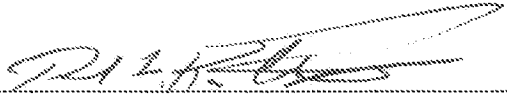
- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date on which the above-referenced patent application was filed, as well as the application number thereof when known.

ASSIGNMENT (Cont'd.)

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE

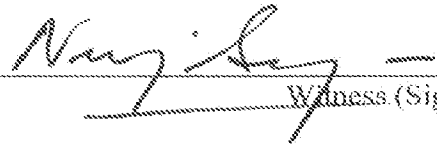
02/13/08



Paul F. KEUSENKOTHEN (Inventor)

NEERAJ SANGAR

Witness (Print Name)



Witness (Signature)

DATE

James N. McCOY (Inventor)

Witness (Print Name)

Witness (Signature)

DATE

Frank HERSHKOWITZ (Inventor)

Witness (Print Name)

Witness (Signature)

ASSIGNMENT

INVENTOR(S):

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James N. McCOY

Frank HERSHKOWITZ

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IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE _____ Paul F. KEUSENKOTHEN (Inventor)

Witness (Print Name)

Witness (Signature)

DATE September 8, 2008 _____
Judith Hey
James N. McCoy (Inventor)

*JUDITH HEY AS COURT APPOINTED GUARDIAN
FOR JAMES N. MCCOY*

FRANK J. HEY
Witness (Print Name)

Frank J. Hey
Witness (Signature)

DATE _____ Frank HERSHKOWITZ (Inventor)

Witness (Print Name)

Witness (Signature)

ASSIGNMENT

INVENTOR(S):

Paul F. KEUSENKOTHEN

James N. McCOY

Frank HERSHKOWITZ

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Paul F. KEUSENKOTHEN (Inventor)

Witness (Print Name)

Witness (Signature)

DATE _____

James N. McCOY (Inventor)


Witness (Print Name)

Witness (Signature)

DATE 8-8-08


Frank HERSHKOWITZ (Inventor)

Robert Lucchesi
Witness (Print Name)


Witness (Signature)

STATUTORY DURABLE POWER OF ATTORNEY

NOTICE: THE POWERS GRANTED BY THIS DOCUMENT ARE BROAD AND SWEEPING. THEY ARE EXPLAINED IN THE DURABLE POWER OF ATTORNEY ACT, CHAPTER XII, TEXAS PROBATE CODE. IF YOU HAVE ANY QUESTIONS ABOUT THESE POWERS, OBTAIN COMPETENT LEGAL ADVICE. THIS DOCUMENT DOES NOT AUTHORIZE ANYONE TO MAKE MEDICAL AND OTHER HEALTH-CARE DECISIONS FOR YOU. YOU MAY REVOKE THIS POWER OF ATTORNEY IF YOU LATER WISH TO DO SO.

I, JAMES NOEL MCCOY, my address being 9419 Braeburn Glen Road, Houston, Texas 77074, appoint my sister, JUDITH HEY, whose address is 278 Bloomsbury Road, Asbury, NJ 08802, as my agent (hereinafter referred to as "agent") to act for me in any lawful way with respect to all of the following powers except for a power that I have crossed out below.

TO WITHHOLD A POWER, YOU MUST CROSS OUT EACH POWER WITHHELD.

- Real property transactions;
- Tangible personal property transactions;
- Stock and bond transactions;
- Commodity and option transactions;
- Banking and other financial institution transactions;
- Business operating transactions;
- Insurance and annuity transactions;
- Estate, trust and other beneficiary transactions;
- Claims and litigation;
- Personal and family maintenance;
- Benefits from social security, Medicare, Medicaid, or other governmental programs or civil or military service;
- Retirement plan transactions;
- Tax matters.

IF NO POWER LISTED ABOVE IS CROSSED OUT, THIS DOCUMENT SHALL BE CONSTRUED AND INTERPRETED AS A GENERAL POWER OF ATTORNEY, AND MY AGENT SHALL HAVE THE POWER AND AUTHORITY TO PERFORM OR UNDERTAKE ANY ACTION I COULD PERFORM OR UNDERTAKE IF I WERE PERSONALLY PRESENT

James N. McCoy
DPOA

Page 1 of 4

Notary Public	7071	Date	10/27/07
Signature	James N. McCoy	Print Name	James N. McCoy
Co. Name		Phone #	281-834-0375
Address		Commission Expires	10/27/08

SPECIAL INSTRUCTIONS:

GIFTS: Special instructions applicable to gifts (initial in front of the following sentence to have it apply):

..... I grant my agent the power to apply my property to make gifts, except that the amount of a gift to an individual may not exceed the amount of annual exclusions allowed from the federal gift tax for the calendar year of the gift.

LIMITATIONS: Notwithstanding any provision herein to the contrary, any authority granted to my agent shall be limited so as to prevent this power of attorney from causing my agent to be taxed on my income and from causing my assets to be subject to a general power of appointment by my agent, as that term is defined in Section 2041 of the Internal Revenue Code of 1986, as amended.

ADDITIONAL POWERS: ON THE FOLLOWING LINES YOU MAY GIVE SPECIAL INSTRUCTIONS LIMITING OR EXTENDING THE POWERS GRANTED TO YOUR AGENT.

In addition to the powers granted above, I grant to my agent all of the following powers:

- (A) The power to take legal action to compel third parties to recognize the validity of this instrument, and the power to sue for damages, both punitive and actual, in the case of a refusal by a third party to honor this power.
- (B) The power to create for me one or more revocable trusts (referred to as a "grantor trust") of which I am an income beneficiary and with such person or persons as my agents shall select as the Trustee or Co-Trustees (including my agents or any corporate trustee having capital and surplus at the time of its appointment in excess of \$10,000,000.00), without bond or other security, and with such other terms and provisions as my agent shall deem appropriate, including, but not limited to, provisions to minimize or eliminate any death or transfer taxes which may be imposed on my estate, any grantor trust, any beneficiary of my estate or any beneficiary of any grantor trust, and to grant to the Trustee or Co-Trustees of any grantor trust any one or more of the powers granted to a trustee under the Texas Trust Code, as amended; provided, however, such trust agreement shall provide that I retain the power to revoke any such grantor trust, in whole or in part at any time, or that I have a general power of appointment over the assets of such grantor trust; and further provided that at my death the assets of any such grantor trust shall pass in a manner which is consistent with any existing estate plan which I may have previously instituted, including dispositions of my property by will, trust, beneficiary designation, or otherwise, and including the apportionment of taxes and other expenses, or if there is no person named in such grantor trust to whom such assets shall pass, then such assets shall be delivered to the personal representative of my estate. It is not my intention in granting the power enumerated in this paragraph to allow my agent to change in any way the persons who will be receiving the property of my estate or the overall

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James N. McCoy
DPOA

scheme of my estate plan; rather, I am attempting to facilitate my agent's ability to save taxes or otherwise reduce the costs of administering my estate. If I have already established a grantor trust, this paragraph shall include the power to alter, amend or modify such grantor trust in a manner which is consistent with the provisions contained herein. Further, my agent shall have the power to transfer all or part of the interest I may own in any real property, stocks, bonds, accounts with financial institutions, insurance, and other property to the trustee of such grantor trust.

- (C) The power to make, execute and deliver oil, gas and mineral leases upon all lands and mineral interests owned or claimed by me, wheresoever located, to such persons and upon such terms and conditions as my agent may deem advisable. Such oil, gas and mineral leases may be for such duration and contain such warranties of title, pooling and unitization provisions, and other special clauses as my agent may agree to upon my behalf. This power shall include the right to negotiate and contract for the sale of any such oil, gas and mineral lease or leases. I also give my agent the power and authority to execute pooling or unitization agreements affecting any oil, gas or other mineral rights or interests owned or claimed by me, whether mineral fee interests, royalty interests or leasehold interests, so as to pool and combine any such interest or interests with the interests of others in the same or other lands, such agreements to be upon such terms and conditions and to contain such authorizations as my agent may deem advisable.
- (D) The power to appoint or substitute one or more agents to serve as my agent under this power of attorney; provided, however, such power shall be exercisable only by the then-serving agent (or if more than one agent is serving, by all such agents acting unanimously), and any such appointment or substitution shall override other provisions contained herein which may attempt to name one or more successor agents. Any such appointment or substitution may be revoked by me or my agent at any time and for any reason, and such appointment or substitution shall not terminate upon the death, disability, incapacity or resignation of my agent. Any such appointment or substitution shall be evidenced by acknowledged written instrument.
- (E) The power to represent me, and to appoint an agent or agents to represent me, before the Internal Revenue Service or any State or other taxing authority by completing, signing, and submitting IRS Form 2848 or any other governmental form.
- (F) In addition to the powers enumerated above, I hereby give and grant unto my said agent full power and authority to do and perform all and every act and thing whatsoever requisite and necessary to be done, as fully, to all intents and purposes, as I might or could do if personally present, hereby ratifying and confirming whatsoever my said agent shall and may do by virtue hereof; provided, however, and notwithstanding the foregoing, if I have deleted a particular power or several powers on page one of this power of attorney, then my agent shall not have such power or powers by virtue of the power and authority conferred by this sentence.

Page 3 of 4

James N. McCoy
DPOA

This power of attorney is effective immediately and is not affected by my subsequent disability or incapacity.

I agree that any third party who receives a copy of this document may act under it. Revocation of the durable power of attorney is not effective as to a third party until the third party receives actual notice of the revocation. I agree to indemnify the third party for any claims that arise against the third party because of reliance on this power of attorney.

Signed on June 5, 2007

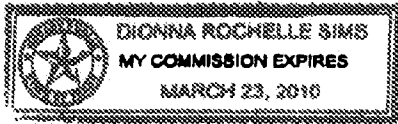


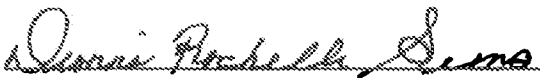
JAMES NOEL MCCOY, Principal

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

Before me, the undersigned authority, on this day personally appeared JAMES NOEL MCCOY, who produced a Texas driver's license that contained his photograph and signature as identification thereby proving him to be the person whose name is subscribed to the foregoing instrument as Principal, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, on June 5, 2007.





NOTARY PUBLIC IN AND FOR
THE STATE OF TEXAS

THE ATTORNEY IN FACT OR AGENT, BY ACCEPTING OR ACTING UNDER THE APPOINTMENT, ASSUMES THE FIDUCIARY AND OTHER LEGAL RESPONSIBILITIES OF AN AGENT.

James N. McCoy
DPOA