

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Subramanian Annamalai</td><td>02/13/2008</td></tr><tr><td>Paul F. Keusenkothen</td><td>03/04/2008</td></tr><tr><td>Alok Srivastava</td><td>03/31/2008</td></tr><tr><td>James N. McCoy</td><td>03/02/2008</td></tr></tbody></table>	Name	Execution Date	Subramanian Annamalai	02/13/2008	Paul F. Keusenkothen	03/04/2008	Alok Srivastava	03/31/2008	James N. McCoy	03/02/2008	
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Subramanian Annamalai	02/13/2008										
Paul F. Keusenkothen	03/04/2008										
Alok Srivastava	03/31/2008										
James N. McCoy	03/02/2008										
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12023322</td></tr></tbody></table>	Property Type	Number	Application Number:	12023322							
Property Type	Number										
Application Number:	12023322										
CORRESPONDENCE DATA											
Fax Number:	(281)834-1231										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	281-834-1396										
Email:	jennifer.s.lewis@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:	2007EM044/2										
NAME OF SUBMITTER:	Rick F. James										
Total Attachments: 8											

CH \$40.00 12023322

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PATENT
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ASSIGNMENT

INVENTOR(S):

Subramanian ANNAMALAI

Paul F. KEUSENKOTHEN

Alok SRIVASTAVA

James N. MCCOY

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:

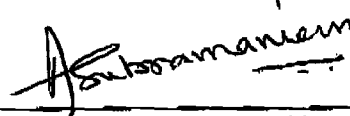
“USE OF HEAT EXCHANGER IN A PROCESS TO DEASPHALT TAR”

and being further identified as USSN Application No.: 12/023,322 ; Atty. Docket No. 2007EM044/2, filed, January 31, 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 2/13/08Subramanian ANNAMALAI (Inventor)MARC R. GUILLEMETTE

Witness (Print Name)



Witness (Signature)

DATE _____

Paul F. KEUSENKOTHE (Inventor)_____
Witness (Print Name)_____
Witness (Signature)

DATE _____

Alok SRIVASTAVA (Inventor)_____
Witness (Print Name)_____
Witness (Signature)

DATE _____

James N. MCCOY (Inventor)_____
Witness (Print Name)_____
Witness (Signature)

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Subramanian ANNAMALAI (Inventor)

Witness (Print Name)

Witness (Signature)

DATE 3/4/08

Paul F. KEUSENKOTHEN (Inventor)

Andrea P. Wight

Witness (Print Name)

Andrew P. Wright

Witness (Signature)

DATE _____

Alok SRIVASTAVA (Inventor)

Witness (Print Name)

Witness (Signature)

DATE _____

James N. MCCOY (Inventor)

Witness (Print Name)

Witness (Signature)

ASSIGNMENT

INVENTOR(S):

Subramanian ANNAMALAI

Paul F. KEUSENKOTHEN

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Witness (Print Name) Witness (Signature)

DATE _____
Paul F. KEUSENKOTHEN (Inventor)

Witness (Print Name) Witness (Signature)

DATE _____
Alok SRIVASTAVA (Inventor)

Witness (Print Name) Witness (Signature)

DATE 3/2/08 _____
James N. MCCOY (Inventor)

Terry W. Bradley Terry W. Bradley
Witness (Print Name) Witness (Signature)

ASSIGNMENT

INVENTOR(S):

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DATE _____
Paul F. KEUSENKOTHEN (Inventor)

Witness (Print Name) Witness (Signature)

DATE 31 Mar 2008
Alok SRIVASTAVA (Inventor)

Sow Boun Hana
Witness (Print Name) Witness (Signature)

DATE _____
James N. MCCOY (Inventor)

Witness (Print Name) Witness (Signature)