

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>Ramesh Varadaraj</td><td>07/16/2008</td></tr><tr><td>Michael Siskin</td><td>07/16/2008</td></tr><tr><td>Leo D. Brown</td><td>07/16/2008</td></tr></tbody></table>		Name	Execution Date	Ramesh Varadaraj	07/16/2008	Michael Siskin	07/16/2008	Leo D. Brown	07/16/2008				
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>ExxonMobil Research and Engineering Company</td></tr><tr><td>Street Address:</td><td>1545 Route 22 East</td></tr><tr><td>Internal Address:</td><td>P. O. Box 900</td></tr><tr><td>City:</td><td>Annandale</td></tr><tr><td>State/Country:</td><td>NEW JERSEY</td></tr><tr><td>Postal Code:</td><td>08801-0900</td></tr></table>		Name:	ExxonMobil Research and Engineering Company	Street Address:	1545 Route 22 East	Internal Address:	P. O. Box 900	City:	Annandale	State/Country:	NEW JERSEY	Postal Code:	08801-0900
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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>12213758</td></tr></tbody></table>		Property Type	Number	Application Number:	12213758								
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CORRESPONDENCE DATA													
Fax Number: (703)846-7799 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER:	2008EM159 US												
NAME OF SUBMITTER:	W. Robinson H. Clark												
Total Attachments: 1													

CH \$40.00 12213758

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PATENT
REEL: 021265 FRAME: 0090

ASSIGNMENT
INVENTOR or INVENTORS:

Ramesh Varadaraj

Michael Siskin

Leo D. Brown

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), 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

"METHOD TO ALTER COKE MORPHOLOGY USING EITHER POLYNUCLEAR AROMATIC COMPOUNDS OR
FUNCTIONALIZED LIGNIN"

said application having been executed on the 16th day(s) of July, 2008, and being further identified as Case Number 2008EM159; 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 therefor 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 to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

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

Date <u>7/16/2008</u>	Inventor <u>Ramesh Varadaraj</u> (LS)	Witness <u>Kathy J. Pett</u>
Date <u>7/16/2008</u>	Inventor <u>Michael Siskin</u> (LS)	Witness <u>Kathy J. Pett</u>
Date <u>7/16/2008</u>	Inventor <u>Leo D. Brown</u> (LS)	Witness <u>Kathy J. Pett</u>
Date _____	Inventor _____ (LS)	Witness _____
Date _____	Inventor _____ (LS)	Witness _____
Date _____	Inventor _____ (LS)	Witness _____
Date _____	Inventor _____ (LS)	Witness _____

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PATENT TRADEMARK OFFICE

Family Number: 2008EM159

PATENT

RECORDED: 07/18/2008

REEL: 021265 FRAME: 0092