504376201 05/19/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIMIN SONG	05/16/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15453071

CORRESPONDENCE DATA

Fax Number: (908)335-3649

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 908-335-3605

Email: kimberly.m.shapiro@exxonmobil.com

Correspondent Name: EXXONMOBIL RESEARCH AND ENGINEERING

Address Line 1: 1545 ROUTE 22 EAST

Address Line 2: P.O. BOX 900

Address Line 4: ANNANDALE, NEW JERSEY 08801-0900

ATTORNEY DOCKET NUMBER:	2016EM079-US2	
NAME OF SUBMITTER:	GLENN T. BARRETT	
SIGNATURE:	/Glenn T. Barrett/	
DATE SIGNED:	05/19/2017	

Total Attachments: 1

504376201

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PATENT REEL: 042507 FRAME: 0644 *27810* 27810 PATENT TRADEMARK OFFICE

Application Serial No. 15/453,071

EMRE Docket No. 2016EM079-US2

ASSIGNMENT INVENTOR or INVENTORS:

LIMIN SONG

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

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

IN SITU MONITORING OF COKE MORPHOLOGY IN A DELAYED COKER USING AC IMPEDANCE

said application having been executed on the 16 day(s) of May 2017 and being further identified as EMRE Docket No. 2016EM079-US2; all rights of priority created by said application under provisions of international convention 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 LONDIERSIGNED on the date opposite UNDERSIGNED'S

Date 5/16/10/2

nventor____

Witness

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RECORDED: 05/19/2017

PATENT REEL: 042507 FRAME: 0645