#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Frank Hershkowitz	12/20/2006
John Scott Buchanan	12/20/2006
Harry W. Deckman	12/20/2006
Jeffrey W. Frederick	12/20/2006

#### **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

Property Type	Number	
Application Number:	12886336	

#### **CORRESPONDENCE DATA**

Fax Number: (281)834-0135

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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: 2006EM215/2 (813106)

NAME OF SUBMITTER: Brent R. Knight (Reg. No. 54,226)

Total Attachments: 8

PATENT 501307165 REEL: 025071 FRAME: 0874

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PATENT REEL: 025071 FRAME: 0875

Attorney Initials: 10

# <u>ASSIGNMENT</u>

## INVENTOR or INVENTORS:

FRANK HERSHKOWITZ		HARRY W. DECKMAN	
JOHN SCOTT BUCHANAN		JEFFREY W. FREDERICK	
In consideratio	CO D. N (\$1.00) and other coo	and valuable consideration, the receipt of and/or the undersigned person(s) named above, herein lows:	
1)	of the State of Delaware, its successor to collectively as ASSIGNEE, the enti	ExxonMobil Chemical Patents Inc., a corporation s, legal representatives and assigns, herein referred to right, title and interest, for the United States and RSIGNED'S invention or improvement and to all ang same which is described in a patent application	
	"METHANE CONVERSION	TO HIGHER HYDROCARBONS"	
and h	oplication having been executed on the _eing further identified as Case No. 200 ation under provisions of international co	OTHAIRTA' CHAT TABLES AN IN-	
2)	applications for and documents relatifor said invention or improvement, substitutes therefor or registrations the of the above required for recording in	request of ASSIGNEE to execute any and all any to obtaining patents and the prosecution thereof and any continuations of such applications or treof, and any specific separate assignments of any the United States Patent and Trademark Office and IEE may deem necessary or expedient.	
3)	invention or improvement, or patent in reissue thereof, becoming involved in	e event of any application based on said assigned ssued thereon, or any reissue or application for the priority of invention proceedings, UNDERSIGNED he best of the ability of UNDERSIGNED in the l documents and giving and producing evidence in	

5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

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.

4)

Attorney Initials: Ry

opp	IN WITNESS WHEREOF, this assi posite UNDERSIGNED'S NAME.	ignment has been executed by UNDERSIGNED on the date
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		JOHN SCOTT BUCHANAN
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DATE _		HARRY W. DECKMAN
		Witness
DATE _		JEFFREY W. FREDERICK
		Witness

Attorney Initials: Ky

HARRY W. DECKMAN

# ASSIGNMENT

## INVENTOR or INVENTORS:

FRANK HERSHKOWITZ

support thereof.

JOHN SCOTT BUCHANAN		JEFFREY W. FREDERICK		
promise of p	on of One Dollar (\$1.00) and other good ayment which is hereby acknowledged UNDERSIGNED, hereby agree(s) as fol	, the undersigne	consideration, or desired person(s) is	the receipt of and/or named above, herein
1)	UNDERSIGNED hereby assign(s) to of the State of Delaware, its successor to collectively as ASSIGNEE, the ential foreign countries, in and to UNDE patent applications and patents coverientiated	rs, legal represent re right, title and ERSIGNED'S in ing same which	tatives and ass I interest, for t vention or imp is described in	signs, herein referred he United States and provement and to all a patent application
	"METHANE CONVERSION	TO HIGHER HYI	OROCARBONS'	
and i	application having been executed on the being further identified as Case No. 200 cation under provisions of international co	6EM215; and al	ll rights of pri	December 2006, ority created by said
2)	UNDERSIGNED agree(s) upon the applications for and documents relatifor said invention or improvement, substitutes therefor or registrations the of the above required for recording in any foreign patent office that ASSIGN	ng to obtaining and any conti creof, and any st the United State	patents and the inuations of pecific separate is Patent and T	e prosecution thereof such applications or e assignments of any rademark Office and
3)	UNDERSIGNED agree(s) that in the	event of any a	ipplication bas	sed on said assigned

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.

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

5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

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					Attorney Initials: Ry
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		<i>,</i> ,			JEFFREY W. FREDERICK
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**PATENT REEL: 025071 FRAME: 0879** 

### ASSIGNMENT

#### INVENTOR or INVENTORS:

FRANK HERSHKOWITZ	HARRY W. DECKMAN
JOHN SCOTT BUCHANAN	JEFFREY W. FREDERICK
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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:

UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., a corporation of the State 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

### "METHANE CONVERSION TO HIGHER HYDROCARBONS"

said application having been executed on the 20th day(s) of December 2006, and being further identified as Case No. 2006EM215; 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 ASSIGNEEs 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(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

Åttorney	Initials:	£9
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IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE			
			FRANK HERSHKOWITZ
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DATE;	December 20,2000	The W.	D.L.
	Olivía X.	7	HARRY W. DECKMAN
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Attorney Initials: #9\_\_\_\_

### ASSIGNMENT

#### **INVENTOR or INVENTORS:**

FRANK HERSHKOWITZ  JOHN SCOTT BUCHANAN		HARRY W. DECKMAN	
		JEFFREY W. FREDERICK	
promise of	tion of One Dollar (\$1.00) and other good payment which is hereby acknowledged, s UNDERSIGNED, hereby agree(s) as follows:	and valuable consideration, the receipt of and/or the undersigned person(s) named above, herein ows:	
1)	of the State of Delaware, its successors to collectively as ASSIGNEE, the entire all foreign countries, in and to UNDER	ExxonMobil Chemical Patents Inc., a corporation, legal representatives and assigns, herein referred eright, title and interest, for the United States and assignED'S invention or improvement and to all g same which is described in a patent application	

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Attorney Initi	ials: <u>R</u>
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IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

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	JOHN SCOTT B
	Witness
	HARRY W.
	Witness
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**RECORDED: 09/23/2010**