P. 02

Docket No.: 2006B032/2

FORM PTO-1595 (Modified) RECORDATION FO	ORM COVER S	SHEET ^{U.}	S. DEPARTMENT OF	
(Rev. 03-01) OMB No. 0851-0027 (exp.5/31/2002) POBA/RÉV04 PATENT	rs onl'	Y	Patent and Trad	emark Office
Tab settings → → ▼ ▼	_		V	<u></u>
To the Director of the United States Patent and Trademark Of 1. Name of conveying party(ies): James H. Beech, Jr. 5/10/07 Richard E. Walter 5/9/07 Arun K. Sharma 5/9/07 Jeffrey S. Smith 5/11/07	2. Name and Name: Exx	ord the attached original address of receiving conMobil Chemical P. 3501 Katy Freeway	ng party(ies):	y inereor.
Additional names(s) of conveying party(ies)		17.	 	*****
3. Nature of conveyance:		State JSA ne(s) & address(es)	e/Prov.: <u>Texas</u> ZIP: <u>77079</u> □ Yes □	□ No
4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, Patent Application No. Filing date 11/707,225 February 14, 2007		date of the applicati Patent No.(s)	ion is:	
Additional numbers	☐ Ye	s 🖾 No	to had CT	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total num	nber of applications	and patents involve	d: 1
Name: David M. Weisberg Registration No. 57,636 Address: ExxonMobil Chemical Company Law Technology	_ ☐ Enclo	(37 CFR 3.41): osed - Any excess of ted or debited to dep orized to be charged	r insufficiency shou posit account	
P O Box 2149 City: Baytown State/Prov.: Texas	8. Deposit a	account number:		
Country: <u>USA</u> ZIP: <u>77522-2149</u>		luplicate copy of this page	e if paying by deposit ac	count)
9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. David M. Weisberg Name of Person Signing Total number of pages including of the pa	Signatu	and correct and any Livery	y attached copy is a May 18,2 Date	

ASSIGNMENT

INVENTOR or INVENTORS:

JAMES H. BEECH, JR.	ARUN K. SHARMA
RICHARD E. WALTER	JEFFREY S. SMITH

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

"PRODUCT RECOVERY IN GAS-SOLIDS REACTORS"

said application having been executed on the 9th/off/ day(s) of MAY 2007, and being further identified as USSN 11/707,225 and Case No. 2006B032/2; and all rights of priority created by said application under provisions of international conventions or treaties.

- 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'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.

1

[:\BPC\LAW\Proccution\EMCC Proccution\2006\2006\B032\US\2006\B032-2-US-2007Fe\t07-Aprigmment.DOC

-PATENT

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

DATE	5-10-	07	Jan H L	ee Al
				JAMES H. BEECH, JR.
	ang ay na ara-ara-ara-ara-ara-ara-ara-ara-ara-ar	Jeffer)	(1)	i programa de la compresencia de la Servicia de la Compresión de la Compre
		11000	Witness	
DATE			·	
		1		RICHARD E. WALTER
		•		
			Witness	
DATE				
		• • • • •		ARUN K. SHARMA
			Witness	
DATE				
		NOTE THE PROPERTY OF THE PROPE		JEFFREY S. SMITH
		4		
			Witness	· · · · · · · · · · · · · · · · · · ·

7

!\DPC\LAW\Proscoution\EMCC Proscoution\3406\2006B032\US\2006B032-2-US-2007Fcb07-Assignment.DDC

Attorney Initials: TWW

ASSIGNMENT

INVENTOR or INVENTORS:

JAMES H. BEECH, JR.	ARUN K. SHARMA
RICHARD E. WALTER	JEFFREY S. SMITH
RICHARD E. WALTER	

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

"PRODUCT RECOVERY IN GAS-SOLIDS REACTORS"

said application having been executed on the Atloth Uthan day(s) of MAY 2007, and being further identified as USSN 11/707,225 and Case No. 2006B032/2; 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.
- 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(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

1

Attorney	Initials: MU
----------	--------------

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

DATE		
		JAMES H. BEECH, JR.
		Witness
DATE	5/9/07	Rechard E. Walter
		RICHARD E. WALTER
	Downey Mr. Wal	Witness
DATE		
		ARUN K. SHARMA
		Witness
DATE		
		JEFFREY S. SMITE
		Witness

<u>ASSIGNMENT</u>

INVENTOR or INVENTORS:

JAMES H. BEECH, JR.	ARUN K. SHARMA
RICHARD E. WALTER	JEFFREY S. SMITH
THOIR BUT IN THE	

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

"PRODUCT RECOVERY IN GAS-SOLIDS REACTORS"

said application having been executed on the Hoff, the day(s) of May 2007, and being further identified as USSN 11/707,225 and Case No. 2006B032/2; 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.
- 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(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			
DATED _			JAMES H. BEECH, JR.
		Witness	
DATE .			RICHARD E. WALTER
		Witness	
DATE .	May 9th, 2007	Jrun 1	R-Sharma
	Edwir Tur	Jam	ARUN K. SHARMA
		Witness	
DATE			JEFFREY S. SMITH
		Witness	

<u>ASSIGNMENT</u>

INVENTOR or INVENTORS:

JAMES H. BEECH, JR.	ARUN K. SHAR <u>MA</u>
RICHARD E. WALTER	JEFFREY S. SMITH
INCHINICE IN THE SECTION	

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

"PRODUCT RECOVERY IN GAS-SOLIDS REACTORS"

said application having been executed on the <u>GHOTAT</u> day(s) of <u>MAY</u> 2007, and being further identified as USSN 11/707,225 and Case No. 2006B032/2; 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.
- 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(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

REEL: 019318 FRAME: 0437

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

DATE		
DAIL _		JAMES H. BEECH, JR.
	Witness	
DATE _		RICHARD E. WALTER
	Witness	
DATE _		ARUN K. SHARMA
	Witness	
DATE _	5-11-07	lay of furth
	Dulma Harza	JEFFREY S. SMITH
	Witness	

RECORDED: 05/18/2007