FORM PTO-1595 RECORDATION	10-10-2000 DEPARTMENT OF COMMERCE
(Rev. 6-93)	Patent and Trademark Office
To the Honorable Commissioner of Patents and Trader	ocuments or copy thereof.
	101483021
Name of conveying party(ies): Albert I begin blander	2. Traine and address of receiving party(ies)
Albert L'vovich Lapidus Michel A. Daage	Name: ExxonMobil Research & Engineering Co.
Russell John Koveal	Name: Expension (Vesealon & Engineering Co.
Alla Jurievna Krylova	Internal Address: <u>Law Department</u>
Anatoliy B. Erofeev Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No	
3. Nature of conveyance:	
■ Assignment	Street Address: 1545 Route 22 East
☐ Security Assignment ☐ Change of Name	P.O. Box 900
☐ Other	City: Annandale State: NJ ZIP: 08801-0900
Execution Date: 23 and 28 June 1999 Respectively	Additional name(s) & address(es) attached? ☐ Yes 图 No
Application number(s) or patent number(s):	
If this document is being filed to get her with a recovery	ion the evenution data of the pro-lineation."
If this document is being filed together with a new applicat	ion, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/393,517 filed September 10, 1999	
Additional numbers attached? ☐ Yes 図 No	
Additional numbers atta	
5. Name and address of party to whom correspondence	ched? □ Yes 図 No 6. Total number of applications and patents involved:
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>ExxonMobil Research & Engineering</u> 	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>ExxonMobil Research & Engineering</u> 	6. Total number of applications and patents involved:
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>ExxonMobil Research & Engineering Company</u> 	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>ExxonMobil Research & Engineering Company</u> 	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>ExxonMobil Research & Engineering Company</u> 	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:1545 Route 22 East	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:1545 Route 22 East	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number:
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:1545 Route 22 East P.O. Box 900 City: Annandale State: _NJ ZIP: 08801-900 DO NOT USE	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330 (Attach duplicate copy of this page if paying by deposit account) THIS SPACE
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:1545 Route 22 East P.O. Box 900 City: Annandale State: _NJ ZIP: 08801-900 DO NOT USE	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330 (Attach duplicate copy of this page if paying by deposit account) THIS SPACE
5. Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:Law Department P.O. Box 900 City: Annandale State:NJ	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330 (Attach duplicate copy of this page if paying by deposit account) THIS SPACE
Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:1545 Route 22 East	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330 (Attach duplicate copy of this page if paying by deposit account) THIS SPACE
5. Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:Law Department Street Address:Law Department P.O. Box 900 City: Annandale State:NJ ZIP: 08801-900 DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregoing inforcopy is a true copy of the original document.	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330 ☐ (Attach duplicate copy of this page if paying by deposit account) THIS SPACE This space This space The page if paying by deposit account)
5. Name and address of party to whom correspondence concerning document should be mailed: Name:ExxonMobil Research & Engineering Company Internal Address:Law Department Street Address:Law Department P.O. Box 900 City: Annandale State:NJ	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$40.00 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: ☐ 05-1330 ☐ (Attach duplicate copy of this page if paying by deposit account) THIS SPACE Demation is true and correct and any attached Signature Date

Mail documents to be recorded with required coversheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

09393517

10/06/2000 GTON11

01 FC:581

00000109 051330

40.00 CH

PATENT REEL: 011131 FRAME: 0230

ASS'GNMENT INVENTOR or INVENTORS

INVENTOR or INVENTORS
Albert L'vovich Lapidus, Michel A. Daage, Russell J. Koveal, Alla Jurievna Krylova, Anatoliy B. Erofeev
In consideration of One Hundred Twenty-five Dollars (\$125.00) and other good and valuable consideration, the receipt of 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 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 PROCESS FOR THE REACTIVATION OF SULFUR DEACTIVATED COBALT TITANIA CATALYSTS; THE CATALYST COMPOSITIONS, USE OF THE REACTIVATED CATALYSTS FOR CONDUCTING CARBON MONOXIDE HYDROGENATION REACTIONS, AND THE PRODUCTS OF SUCH REACTIONS
said application having been executed on the day(s) of vine, 1999, and being further identified as Case Number <u>LAW-842</u> ; 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 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.
1 diana Order
(LS) Witness Julia Witness
(1.6 30 Alphort Volute - anacc) (LS) winess
100 Little 7 - all to 2 But OVA as) Witness
Date 6/28/98 Inventor dua to by Bornsovich Erofan(LS) Witness Abbiter la nota
Date Inventor (LS) Witness
Date Inventor (LS) Witness
Inventor (LS) Witness

RECORDED: 09/11/2000

PATENT REEL: 011131 FRAME: 0231