10-07-2003 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/200 P08/REV03 102569258 Tab settings -To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Lawrence C. Smith Randell W. Dickey Name ExxonMobil Chemical Patents Inc. Robin L. Rubish Internal Address: ☐ Yes ☒ No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger Street Address: 13501 Katy Freeway Security Agreement Change of Name ☐ Other City: Houston State: TX ZIP: 77079 Execution Date: Nov 20, 2002; Nov 20, 2002; Nov 22, 2002 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: **September 22, 2003** A. Patent Application No.(s) B. Patent No.(s) AWAITED 106684 Additional numbers attached? ☐ Yes ☒ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Leandro Arechederra 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: ExxonMobil Chemical Company ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account P O Box 2149 Authorized to be charged to deposit account 8. Deposit account number: Street Address: 10/06/2003/BBYRNE 00000053 051712 10668479 05-1712 01 FC:8021 40.00 BA City: Baytown State: TX ZIP: 77522 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is frue and correct and any attached copy is a true copy of the original document. Leandro Arechederra (Reg. No.: 52,457) September 22, 2003 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document:

locket No.: 2002B132/2

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 2002B132

This is an	Assignment of the following rights,	title and interest: (check all that apply):		
	United States of America rights, title and interest in the invention			
	Foreign rights, title and interest in the invention			
	United States Patent Application Serial No.			
	Date of Execution:	Date of Filing:		
\boxtimes	United States Provisional Patent A	Application Serial No. <u>60/417,380</u>		
	Date of Filing: October 9, 200	<u>2</u>		
	United States Patent No(s).			
	International (PCT) Patent Application Serial No.			
	Other (specify)			
Title of the Invention				
Methods for Injecting Catalyst Into a Polymerization Reactor Inventors (assignors)				
Name Manorhil Address Lawrence C. Smith 60 ulvie 15119 Manor Hill Drive, Houston, Texas 77062 (U.S.A.)				
Randall W. Dickey \ \ 1000000000000000000000000000000000000				
Robin L. Rubish 122 Crystal Reef Drive, League City, Texas 77573 (U.S.A.) Assignee				
Name Address				
ExxonMe	obil Chemical Patents Inc.	13501 Katy Freeway Houston, Texas 77079		
Invention		ors, have invented certain new and useful improvements in the in the above-identified patent application(s) and/or patent(s)		

[Page 1 of 2] I: IIPCLAW(Prosecution EMCC Prosecution 2002B132 Provisional 2002B1324 N-2002NOV20-Provisional Assignment.D

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 2002B132

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any united States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventor	r's Signatures:		
DATE	11/20/2002	_ La	- C S > #
	$\bigcap_{n \in \mathbb{N}} a_n = a_n$	· 1 / ×	Lawrence C. Smith
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		Witness	
DATE	11/20/02		-hA
	/ Mami	viller Sue F	Randall W. Dickey
		Witness	1
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	amu	Su a Oten	Robin L. Rubish
	()	/ Witness	

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RECORDED: 09/22/2003

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