

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LUIZA ROZA	05/22/2017
LUIZ CLAUDIO MACEDO CASSIANO FILHO	05/18/2017
ANTONIO LUIZ RIBEIRO DE CASTRO MORSCHBACKER	05/05/2017
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State/Country:	BRAZIL
Postal Code:	42810-000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15034367
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NAME OF SUBMITTER:	RICHARD A. PAIKOFF
SIGNATURE:	/Richard A. Paikoff/
DATE SIGNED:	07/31/2017
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, the undersigned, **Luiza Roza**, a citizen of Brazil residing at Rua Gal. Couto de Magalhães, 1283, Higienópolis, CEP 90540-131 Porto Alegre -- RS, Brazil; **Luiz Claudio Macedo Cassiano Filho**, a citizen of Brazil residing at Rua Visconde do Rio Branco, 433, apt. 12, Centro, CEP 11320-030 São Vicente -- SP, Brazil; and **Antonio Luiz Ribeiro de Castro Morschbacker**, a citizen of Brazil residing at Rua Dr. Alfredo Antonio Martinelli, 880, CEP 13083-330 Campinas -- SP, Brazil (hereinafter referred to as "ASSIGNORS"), are the inventors of certain inventions or improvements relating to the invention entitled **PROPENE PRODUCTION METHOD** for which US Application No. 15/034,367 was filed on August 30, 2016, as a US national phase of International Application No. PCT/BR2013/000469 (filed on November 8, 2013); and

WHEREAS, **Braskem S.A.**, a Brazilian corporation having a principal mailing address at Rua Eteno, 1561, Complexo Petroquímico de Camaçari, 42810-000, Camaçari - BA, Brazil (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said invention or improvements and in and to said application for patent, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States or in any other country;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE the entire right, title and interest in and to said inventions or improvements and said application and any and all US patent applications based on said application, continuations, divisions, and renewals of and substitutes for said US patent applications, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, sale and transfer not been made.

AND the undersigned ASSIGNORS hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute any agreement in conflict herewith, and further covenant and agree that they will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agrees to communicate to said ASSIGNEE or to its nominees all known facts respecting said invention or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce, for

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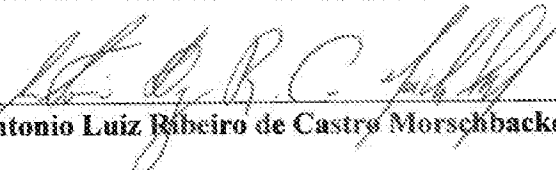
its own benefit, proper patent protection for said invention or improvements in the United States and its possessions and territories and in all other countries;

AND ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE the entire right, title and interest, in and to any and all Letters Patent for said invention or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, ASSIGNORS hereunto set their hand and seal, intending to be legally bound.

Signature:  Date: May 22nd, 2017
Luiza Roza

Signature:  Date: May 18th, 2017
Luiz Claudio Macedo Cassiano Filho

Signature:  Date: May 5th, 2017
Antonio Luiz Ribeiro de Castro Morschbacker