

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6085092

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LUIZ FRANCISCO MUNIZ DA SILVA	04/09/2020
JORGE LUIS GOUDENE SPADA	04/09/2020
CLAUDIO PEREIRA DA SILVA ZAMITH	04/09/2020
WALTER VIDON JUNIOR	04/09/2020
RENATO TEIXEIRA VARGAS	03/17/2020
RECEIVING PARTY DATA	
Name:	BRASKEM S.A.
Street Address:	RUA ETENO, 1561, COMPLEXO
Internal Address:	PETROQUIMICO DE CAMACARI
City:	CAMACARI, BA
State/Country:	BRAZIL
Postal Code:	42810-000
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15525693
CORRESPONDENCE DATA	
Fax Number:	(215)689-3640
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2159791853
Email:	rapaikoff@duanemorris.com, wlcanzanese@duanemorris.com
Correspondent Name:	RICHARD A. PAIKOFF
Address Line 1:	30 SOUTH 17TH STREET
Address Line 2:	DUANE MORRIS LLP
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	F9373-00509
NAME OF SUBMITTER:	RICHARD A. PAIKOFF
SIGNATURE:	/RICHARD A. PAIKOFF/
DATE SIGNED:	04/30/2020

Total Attachments: 6

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ASSIGNMENT

WHEREAS, the undersigned, **Luiz Francisco Muniz da Silva, Jorge Luís Goudene Spada, Cláudio Pereira da Silva Zamith, Walter Vidon Júnior and Renato Teixeira Vargas**, all citizens of Brazil, having a mailing address of Rua Lemos Monteiro, 120, Butanta, Sao Paulo – SP 05501-050, Brazil; (hereinafter referred to as "ASSIGNORS"), are the inventors of certain inventions or improvements for **RAILWAY SLEEPER AND RAILWAY-SLEEPER MANUFACTURING METHOD**, for which U.S. Patent Application No. 15/525,693 was filed on May 10, 2017 as a U.S. national phase based on International Patent Application No. PCT/BR2015/050215 (filed November 11, 2015) and which claims the priority of U.S. Provisional Patent Application No. 62/078,062 (filed November 11, 2014); 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 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 in any and all other countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby freely acknowledged and intending to be legally bound, 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 applications and any and all continuations, divisions, and renewals of and substitutes for said 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, in all countries, whether designated via the Patent Cooperation Treaty or otherwise, including the right to claim priority, 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 said 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 have not executed and will not execute any agreement in conflict herewith, and further covenant and agree, each time request is made and without undue delay, to execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said applications and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agree to communicate to said ASSIGNEE or to its nominees all known facts respecting said inventions or improvements, said applications 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 its own benefit proper patent protection for said inventions or improvements in all countries in which ASSIGNEE, in its discretion, may choose to proceed;

AND ASSIGNORS hereby authorize and request the authorities 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 inventions 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.

Date: _____ 
Luiz Francisco Muniz da Silva

Date: _____
Jorge Luís Goudene Spada

Date: _____
Cláudio Pereira da Silva Zamith

Date: _____
Walter Vidon Júnior

Date: _____
Renato Teixeira Vargas

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


Date: _____

Luiz Francisco Muniz da Silva

Date: _____

Jorge Luis Goudene Spada

Date: 09/04/2020



Cláudio Pereira da Silva Zamith

Date: _____

Walter Vidon Júnior

Date: _____

Renato Teixeira Vargas

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Date: _____

Luiz Francisco Muniz da Silva

Date: _____

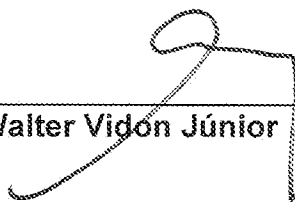
Jorge Luis Goudene Spada

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Cláudio Pereira da Silva Zamith

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Date: _____

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Date: _____
Cláudio Pereira da Silva Zamith

Date: _____
Walter Vidon Júnior

Date: 03/17/20

Renato Teixeira Vargas