

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WLADMIR FERRAZ DE SOUZA	07/08/2021
MAIRA ANDRADE RODRIGUES	06/28/2021
VIVIAN PASSOS DE SOUZA	07/12/2021
AMANDA DE ALMEIDA DUMANI DOS SANTOS	06/30/2021
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17271512
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DATE SIGNED:	10/26/2021
Total Attachments: 5	
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INVENTORS' WORLDWIDE ASSIGNMENT

This patent assignment (the "ASSIGNMENT") is made as of _____ (the "EFFECTIVE DATE").

Parties and Interests

Inventors Wladimir FERRAZ DE SOUZA, Vivian PASSOS DE SOUZA, Maira ANDRADE RODRIGUES, Amanda DE ALMEIDA DUMANI DOS SANTOS ("INVENTORS") possess the right, title, and interest for and in the invention entitled PROCESS FOR GASIFICATION OF A CARBONACEOUS RAW MATERIAL OF LOW VALUE AS A FUEL USING A NANOCATALYST as described in U.S. Patent Application No. 17/271,512, filed February 25, 2021; and PCT International Application No. PCT/BR2019/050314, filed August 2, 2019.

PETROLEO BRASILEIRO S.A. - PETROBRAS, whose post office address is Avenida Republica do Chile, 65, Centro, RJ, 20031-912 Rio de Janeiro, Brazil ("the COMPANY"), desires to acquire INVENTORS entire right, title, and interest (the "RIGHTS") in and to:

- the inventions described in the listed patent applications and/or the listed patents in all countries throughout the world,
- the listed patent applications in all countries throughout the world,
- any patents listed or to be issued or granted from the listed patent applications or which claim priority to the listed patent applications,
- all continuation applications, divisional applications, reissues, re-examinations, extensions and renewals of the listed patent applications and/or the listed patents and all patents throughout the world which may be issued or granted from the listed patent applications and/or the listed patents,
- all rights to claim priority to the listed patent applications and/or the listed patents, and
- all patent applications for which a patent application may be filed for the inventions described in the listed patent applications and/or the listed patents in all countries throughout the world (including any PCT international applications),
- all patents which may be granted on the inventions described in the listed patent applications and/or the listed patents in all countries throughout the world,
- all income, royalties, damages, and payments now or after that are due or payable with respect to any assigned invention, patent application or patent, and
- all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present, and future infringement of any assigned patent application or patent.

Consideration is received by the INVENTORS

For and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is acknowledged by the INVENTOR, the INVENTOR confirms that they have sold, assigned, transferred, and conveyed, absolutely, and by way of further assurances does sell, assign, transfer, and convey absolutely to the COMPANY, its lawful successors and assigns, their RIGHTS in existence as of the EFFECTIVE DATE.



The INVENTOR promises, pledges, represents, and covenants that he has the full right to convey the RIGHTS assigned by this ASSIGNMENT, and that they have not executed and will not execute any agreement in conflict with this ASSIGNMENT;

The INVENTORS authorize issuance of Patents to the COMPANY.

The INVENTORS authorize and request the Commissioner of Patents and Trademarks of the United States and any appropriate official of any foreign country whose duty it is to issue or grant patents, to issue all Patents under the assigned RIGHTS to the COMPANY, its successors and assigns.

The INVENTORS promise to assist the COMPANY with the completion of lawful papers.

The INVENTORS further promises, covenants, and agrees that, upon request of the COMPANY, the INVENTOR will, when called upon to do so and without further consideration,

- communicate with the COMPANY, its successors and assigns, any facts known to the INVENTOR respecting the assigned inventions, patent applications and/or patents, and
- sign and deliver all lawful papers, including Declarations, Oaths, Powers of Attorney, Assignments, and Affidavits for or related to the assigned inventions, patent applications and/or patents to the COMPANY, its successors and assigns, to obtain and enforce proper patent protection for the assigned inventions, patent applications and/or patents in any country.

Any expense related to the signing and delivery of such papers shall be borne by the COMPANY, its successors and assigns.

The INVENTOR authorizes J.A. Lindeman & Co., PLLC to correct errors in this ASSIGNMENT.

The INVENTOR authorizes the firm of J.A. Lindeman & Co., PLLC to correct errors in this ASSIGNMENT and/or to insert any further identification or other information relating to the assigned inventions, patent applications and/or patents and necessary or desirable to make this ASSIGNMENT suitable for recordation in any country.

By signing below, the INVENTOR indicates his/her agreement with the provisions of this ASSIGNMENT.

Signature of INVENTOR:



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