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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6786911

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                            |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>      |
| RALPH J. MANCINI                                                                                                                                                                                | 06/25/2021                 |
| CEM E. CELIK                                                                                                                                                                                    | 06/11/2021                 |
| MATTHIAS GRAHL                                                                                                                                                                                  | 06/25/2021                 |
| ARTHUR C. SELOVER                                                                                                                                                                               | 06/10/2021                 |
| SESHA HARI VEMURI                                                                                                                                                                               | 06/16/2021                 |
| HELKO SCHNEIDER                                                                                                                                                                                 | 06/25/2021                 |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                            |
| <b>Name:</b>                                                                                                                                                                                    | PRAXAIR TECHNOLOGY, INC.   |
| <b>Street Address:</b>                                                                                                                                                                          | 10 RIVERVIEW DRIVE         |
| <b>City:</b>                                                                                                                                                                                    | DANBURY                    |
| <b>State/Country:</b>                                                                                                                                                                           | CONNECTICUT                |
| <b>Postal Code:</b>                                                                                                                                                                             | 06810                      |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                            |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>              |
| <b>Application Number:</b>                                                                                                                                                                      | 17361395                   |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                            |
| <b>Fax Number:</b>                                                                                                                                                                              | (203)837-2515              |
| <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> |                            |
| <b>Phone:</b>                                                                                                                                                                                   | 203-837-2292               |
| <b>Email:</b>                                                                                                                                                                                   | LG.US.IP@linde.com         |
| <b>Correspondent Name:</b>                                                                                                                                                                      | LINDE INC. LAW DEPARTMENT  |
| <b>Address Line 1:</b>                                                                                                                                                                          | 10 RIVERVIEW DRIVE         |
| <b>Address Line 4:</b>                                                                                                                                                                          | DANBURY, CONNECTICUT 06810 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | P20D054-US-R4-CIP          |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | TONIANN FONTE              |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /toniann fonte/            |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 06/29/2021                 |
| <b>Total Attachments: 7</b>                                                                                                                                                                     |                            |

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JOINT

**ASSIGNMENT OF INVENTION, PRIORITY RIGHTS  
AND RIGHTS TO APPLY FOR PATENTS**

We, the undersigned,

| <u>NAME</u>       | <u>RESIDING AT</u>                                | <u>CITIZENSHIP</u> |
|-------------------|---------------------------------------------------|--------------------|
| Ralph J. Mancini  | 24 Laura Drive, Danbury, CT 06811                 | US                 |
| Cem E. Celik      | 1218 Majestic Woods Drive, Grand Island, NY 14072 | US                 |
| Matthias Grahl    | Nibelungenstraße 24, München, DE 80639            | DE                 |
| Arthur C. Selover | 108 Gettysburg Ave., Town of Tonawanda, NY 14223  | US                 |
| Sesha Hari Vemuri | 58 Raintree Island, Apt #4, Tonawanda, NY 14150   | IN                 |
| Helko Schneider   | Wolframstraße 10, Wolfratshausen, DE 82515        | DE                 |

believing that we are the original, first and true inventors of an invention for:

**METHOD AND SYSTEM FOR PRE-PURIFICATION OF A FEED GAS STREAM**

as described and/or claimed in our application for Letters Patent in the United States of America,

Application No. 17/361,395, filed on **June 29, 2021**, Attorney Docket No. **P20D054-US-R4-CIP**

(this application is a continuation-in-part application and claims priority to United States patent application serial number 17/264,445 filed on January 29, 2021 which claims the benefit of and priority to United States provisional patent application serial number 63/067,539 filed August 19, 2020).

NOW, THEREFORE, for good and valuable consideration, the receipt of which is acknowledged and in fulfillment of our pre-existing obligations of assignment;

WE DO HEREBY ASSIGN AND TRANSFER our entire right, title, and interest in and to said invention and application unto

**PRAXAIR TECHNOLOGY, INC.**


a corporation organized and existing under the laws of the State of Delaware, United States of America, its successors and nominees, having an office at 10 Riverview Drive, Danbury, Connecticut 06810, United States of America, as the Assignee, without any restrictions, reservations or limitations, the entire right, title and interest in and to the aforesaid application for Letters Patent and all patents which may be granted thereon, and all applications claiming priority thereof including all divisions, continuations, continuations-in-part, reissues and extension thereof;

INCLUDING ALL RIGHTS in and to said invention in any country of the world, including, but not limited to, all priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and for any and all member countries of the aforesaid International Convention;

AND FURTHER INCLUDING THE SOLE RIGHT to file such applications under the Patent Laws of any country of the world in its name and/or ours, and the sole right to have patents granted on said applications in its name and/or ours to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made, and to enforce said patents with our right to sue in any court of competent jurisdiction and obtain all remedies available, including but not limited to injunctions and to recover lost profits or compensatory and enhanced damages and attorneys fee for any and all infringements thereof;

AND we authorize insertion of the appropriate identification information above and agree that we will communicate to said PRAXAIR TECHNOLOGY, INC. or its representatives any facts known to us respecting said invention and testify in legal proceedings, sign all lawful papers, execute all divisional, continuing, continuation-in-part, extensions and reissue applications, make all rightful oaths and generally do everything possible to aid said PRAXAIR TECHNOLOGY, INC. its successors, assigns, or nominees, to obtain and enforce proper protection for said invention in all countries.

SIGNED AND SEALED AT Danbury CT  
(city, state)

this 25<sup>th</sup> day of June, 2021  
  
RALPH J. MANCINI

WITNESSED:

BE IT KNOWN, that Ralph J. Mancini is known to us to be the individual described in this assignment, that on this 25<sup>th</sup> day of JUNE, 2021, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

Juan Cabrera  
First Witness

10 Riverview Drive  
Danbury CT 06810

Post Office Address

Tonianna Forte  
Second Witness

10 Riverview Drive  
Danbury CT 06810

Post Office Address

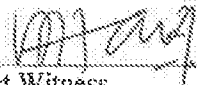
SIGNED AND SEALED AT TONAWANDA, NEW YORK  
(city, state)

this 11<sup>th</sup> day of June, 2021.

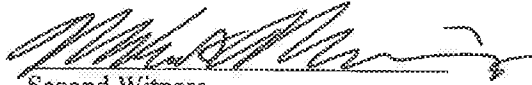
  
CEM E. CELIK

WITNESSED:

BE IT KNOWN, that Cem E. Celik is known to us to be the individual described in this assignment, that on this 11<sup>th</sup> day of June, 2021, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

  
First Witness

SESNA VEMURI  
175 E. Park Drive  
Tonawanda NY 14150  
Post Office Address

  
Second Witness

MICHAEL MANNING  
175 E. Park Drive  
Tonawanda NY 14150  
Post Office Address

SIGNED AND SEALED AT Pullach, Germany  
(city, country)

this 25 day of June, 2021.

M. Grahl  
MATTHIAS GRAHL

WITNESSED:

BE IT KNOWN, that Matthias Grahl is known to us to be the individual described in this assignment, that on this 25 day of June, 2021, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

[Signature]  
First Witness  
Gabriel Salazar Duarte  
Güllstr. 6  
80336 München  
Post Office Address

[Signature]  
Second Witness  
Sonja Limon  
Oberer Kammerloch 40  
82541 Münsing  
Post Office Address

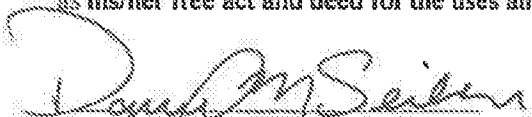
SIGNED AND SEALED AT Tonawanda, NY  
(city, state)

this 10 day of June, 2021.

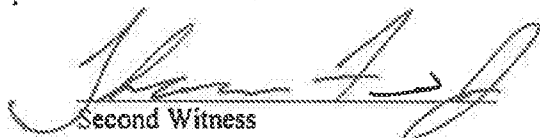
  
ARTHUR C. SELOVER

WITNESSED:

BE IT KNOWN, that Arthur C. Selover is known to us to be the individual described in this assignment, that on this 10<sup>th</sup> day of June, 2021, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

  
First Witness  
Dan. M. Seiler

62 East Park Dr.  
Lockport, NY 14094  
Post Office Address

  
Second Witness

Thomas Fields Jr  
3996 Ridge Top Rd  
Ambost, NY 14228  
Post Office Address

SIGNED AND SEALED AT TONAWANDA, NEW YORK  
(city, state)

this 16<sup>th</sup> day of JUNE, 2021.


  
\_\_\_\_\_  
SESHA HARI VEMURI

WITNESSED:

BE IT KNOWN, that Seshu Hari Vemuri is known to us to be the individual described in this assignment, that on this 16<sup>th</sup> day of JUNE, 2021, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
First Witness

Daniel Seiler  
175 EAST PARK DRIVE  
TONAWANDA, NY 14150  
Post Office Address

  
\_\_\_\_\_  
Second Witness

Arthur C. Selover  
175 EAST PARK DRIVE  
TONAWANDA, NY 14150  
Post Office Address



SIGNED AND SEALED AT Pullach, Germany  
(city, country)

this 25 day of June, 2021.

Helko Schneider  
HELKO SCHNEIDER

WITNESSED:

BE IT KNOWN, that Helko Schneider is known to us to be the individual described in this assignment, that on this 25 day of June, 2021, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.

Christian Voss  
First Witness

Christian Voss  
Waldstr. 21d  
D-82538 Geretsried  
Post Office Address

S. Linn  
Second Witness

Sonja Linn  
Oberer Kammerloch 40  
82544 Munsing, Germany  
Post Office Address