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Substitute Form PTO-1595 Attorney Docket No.: 21280-0013US1

RECORDATION FORM COVER SHEET **PATENTS ONLY**

Commissioner for Paterits: Please record the attached original docum	ent(s) or copy(los).
Name of conveying party(les):	2. Name and address of receiving party(les):
Air Products and Chemicals, Inc.	Mid-America Commercialization
Additional name(s) attached? [] Yes [] No	Corporation ("MACC")
3. Nature of conveyances:	1500 Hayes Drive
□ Assignment □ Merger □ Security Agriem ent □ Change of Name 亚 Other: Technology Donation Agreement	Manhattan, Kansas 66502
Execution Date: 12/30/2003	Additional names/addresses attached? D Yes 🗷 No
4. Application number(s) or patent number(s):	
If this documen∷is treing filed with a new application, the execution	n date of the application is:
A. Patent Application No(s).:	B: Patent No(s):
10/518,038	
Additional numbers a	ttached? [] Yes @ No
 Name/address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications/patents involved: 1
MICHAEL E. COX	7, Total fee (37 CFR §3.41): \$40
Fish & Richardson P.C. 1717 Main Street	Cl Enclosed Authorized to charge Deposit Account.
Suite 5000	8. Deposit Account No.: 06-1050
Dallas, TX 75201	Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT US	E THIS SPACE
9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and	
any attached copy is a true copy of the original document.	
Michael E. Cox Reg. No. 47,505 Name of Person Si; nin; Signature	June 28, 2009 Date
Total number of pages including coversheet, attachments and document: 8	
90363975.doc	

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

June 26, 2009
Date of Transmission

Dee Bacon
Typed Name of Person Signing Cortificate

PATENT REEL: 022896 FRAME: 0740

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MID-AM CONMERCIALIZATION

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Gas to Liquid Technology Donation Agreement

TECHNOLOGY DONATION AGREEMENT

This Agreement, which shall be effective as of 26 December 2003 ("Effective Date"), is made between AIR PRODUCTS AND CHEMICALS, INC. ("AIR PRODUCTS"), a corporation organized and existing under the laws of the State of Delaware, with offices at 7201 Hamilton Boulevard, Allentown, Pennsylvania 18195-1501, and The MID-AMERICA COMMERICIALIZATION CORPORATION ("MACC"), a non-profit institution organized and existing untier the laws of the State of Kansas, with offices at 1500 Hayes Drive; Manhatten, Kansaa, 68502

BACKGROUND

- AIR PRODUCTS is the owner of certain patents and patent applications in the eres of lass to Liquids ("GTL") Technology ("FIELD"). MACC has a proven track record in developing and commercializing donated technologies. MACC has indicated an interest in Teceving and Constion of AIR PRODUCTS PATENT RIGHTS and in receiving AIR PRODUCTS KNOW-FICHW, as both are defined below, related to the FIELD. MACC's interest in the donation is to further MACC's goals and objectives, and particularly to further develop donated technologies through university research and/or to license donated technologies for commercial application to meet market, social and economic needs, while also using donated technologies to entrance educational programs and facilitate the establishment of mutually beneficial relationships between industry and academe. AIR PRODUCTS is willing to donate its rights in the attentionships between industry and academe. the AIR PRODUCTS PATENT RIGHTS and AIR PRODUCTS KNOW-HOW to MACC.
- I.i. In consideration of the above premises, and the promises and obligations of the respective Parties set forth below, AIR PRODUCTS and MACC, intending to be legally bound, agree as ollows:

DIEFINITIONS

- The terms designated in entire caps (except for the heading of Articles and Paragraphs) shall have the meanings set forth below or set forth in other paragraphs of this
- 2.2 'AIR PRODUCTS AFFILIATES" means any company or entity in which AIR PRODUCTS owns, directly or indirectly, at least fifty percent (50%) of the stock having the right
- "AIR PRODUCTS PATENT RIGHTS" means the patents and patent applications to vote for directors thereof.
- *AIR PRODUCTS KNOW-HOW means AIR PRODUCTS technical information listed in Appendix A hereof. expressly listed in Appendix B.
- "CONFIDENTIAL INFORMATION" means the valuation of the DONATED PROPERTY performed by or on behalf of AIR PRODUCTS as well as all documents relating to the valuation and how such valuation was determined and calculated. For purposes of darling, any document listed in Appendix 8 shall not be construed to be covered by the definition of CONFIDENTIAL INFORMTION.

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MID-AM CONNERCIALIZATION



- "DONATED PROPERTY" means all of the AIR PRODUCTS PATENT RIGHTS and the AIR PRODUCTS KNOW-HOW, taken collectively.
- "MACC AFFILIATES" means any entity in which MACC directly or indirectly owns or controls at least fifty percent (50%) of the equity or other ownership interests of the entity, or any entity in which MACC served as a founder or co-founder.

ASSIGNMENT OF RIGHTS

- AIR PRODUCTS hereby donates and assigns its entire right, title and interest in 3 DONATED PROFERTY to MACC. Such assignment to MACC includes AIR PRODUCTS' right to enferte AIR PRODUCTS PATENT RIGHTS and to recover damages for any intringement retroactively to the leave date of any Patent included in AIR PRODUCTS PATENT RIGHTS. AIR PRODUCTS agrees, at its expense, to promptly record assignments in favor of MACC with the United States, Canadian, European and any other national patent offices for patents and patent applications covered by AIR PRODUCTS PATENT RIGHTS. Since AIR PRODUCTS KNOW-IICW listed in Appendix B is tangential to the know-how developed by AIR PRODUCTS for the care business, MACC acknowledges and agrees that nothing in this Agreement shall require or be construed to require AIR PRODUCTS to disclose other know-how or other information. information related to (a) EHTR design technology and software; (b) matel dusting abetement technology; (a) the integrations of the technology of the Field technology with air separation units, natural gas liquefaction units, petrochemical production units, animonia production units, power production units or helium extraction units; (d) technology related to equipment and processes for the production of synthesis gas or hydrogen; (e) technology related to equipment and business for the separation, publication or recovery of components from any 988 containing stream; (f) technology related to equipment and processes the liquefaction of gas streams of their components and (g) AIR PRODUCTS proprietary thermodynamic data base.
- 3.11 In addition to the foregoing contribution of the AIR PRODUCTS PATENT RIGHTS and as an additional contribution to MACC, AIR PRODUCTS agrees to pay to MACC. the sum of One Hundred Fifty Thousand United States Dollars (US\$ 150,000) within thirty (30) days of the Effective Date in the form of a Restricted Grant, which shall be used by MACC either (a) to pay the costs of prosecution and/or maintenance of AIR PRODUCTS PATENT RIGHTS or, at its discretion, (b) to further its goals and objectives of the donation contemplated in Article 1.

PATENT AND KNOW HOW ASSISTANCE

AIR PRODUCTS shall provide reasonable technical assistance to MACC related to the preparation and prosecution of any patent applications relating to improvements of MACC covered by AIR PRODUCTS PATENT RIGHTS or described therein or in AIR PRODUCTS KNOV/-HOW which name one or more AIR PRODUCTS employees as inventors, provided that such insistance shall in all cases be provided at times and in a manner that is not unduly disruptive of AIR PRODUCTS' normal course of business. The filing and/or prosecution of any such patent applications under AIR PRODUCTS PATENT RIGHTS shall be at MACC's sole discretion and expanse.

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MID-AM COMMERCIALIZATION

- AIR PRODUCTS agrees to cooperate with MACC to the extent AIR PRODUCTS cooperation may be required in the enforcement or defense of any of AIR PRODUCTS PATENT RIGHTS or of any patents obtained pursuant to the preceding paragraph, again provided that such essistance shall be provided at times and in a manner that is not unduly disruptive of AIR PRODUCTS' normal course of business, and further provided reasonable compensation is paid AR PRODUCTS for the time spent by AIR PRODUCTS employees in these enforcement or defends extivities, and for AIR PRODUCTS' reasonable out-of-pocket costs including any necessary revel expenses or accommodation.
- AIR PRODUCTS shall provide reasonable access to MACC, MACC AFFILIATES and their employees to all information relating to KNOW HOW, including relevant ists notebooks. technical clefa, specifications, drawings, design, testing, and engineering documentation, and similar data helpful in allowing MACC to utilize the DONATED PROPERTY.
- AIR PRODUCTS shall provide MACC with copies (if any) of patent infringement and/or validity analyses and/or opinions prepared by or for AIR PRODUCTS regarding DONATED PROPERTY.
- in order to facilitate the transmission of AIR PRODUCTS KNOW-HOW, AIR PRODUCTS shall make its employees or consultants familiar with the DONATED PROPERTY. contagen: upon their availability and willingness, available to MACC for up to five (5) days at times and locations to be agreed upon that are convenient to all parties.

Warranties, disclaimers and indemnities 5

- AIR PRODUCTS IS NOT AWARE OF ANY CLAIM OR WRITTEN THREAT OF CLAIM BY ANY THIRD PARTY THAT THE PRACTICE OF AIR PRODUCTS PATENT RIGHTS WILL IMPRINGE THIRD PARTY PATENTS OR INTELLECTUAL PROPERTY RIGHTS. OTHER THAN AS SET FORTH ABOVE, AIR PRODUCTS MAKES NO WARRANTIES WITH RESPIECT TO FREEDOM FROM ALLEGED INFRINGEMENT OF THIRD PARTY PATENTS OR FREEDOM FROM THIRD PARTY INFRINGERS, AND AIR PRODUCTS SHALL NOT BE UNDER ANY OBLIGATION TO HOLD MACC OR FUTURE LICENSES, ASSIGNEES OF TRANSFEREES OF MACC HARMLESS AGAINST SUCH ALLEGED INFRINGEMENT OF THIRL FARTY PATENTS.
- 5.2 AIR PRODUCTS MAKES NO WARRANTIES WITH RESPECT TO THE POTENTIAL EARNING CAPACITY, POTENTIAL REVENUE GENERATION OR OTHER FUTURE FINANCIAL PERFORMANCE OF DONATED PROPERTY FOR ANY PERIOD AFTER THE UF FECTIVE DATE.
- AIR PRODUCTS ASSUMES NO RESPONSIBILITIES WHATSOEVER WITH RESPECT TO THE PRACTICE BY MACO OR ITS LICENSEES, ASSIGNEES OR TRANSFEREES OF AIR PRODUCTS KNOW-HOW AND/OR AIR PRODUCTS PATENT TRANSFEREES OF AIR PRODUCTS KNOW-HOW AND/OR AIR PRODUCTS PATENT RIGHTS. MACC RELEASES AIR PRODUCTS, INCLUDING ITS OFFICERS, DIRECTORS AND EVPLOYEES, FROM ANY CLAIMS, COSTS OR DAMAGES, INCLUDING SPECIAL.

 AND EVPLOYEES, FROM ANY CLAIMS, COSTS OR DAMAGES, INCLUDING SPECIAL.

 INDIRECT OR CONSEQUENTIAL DAMAGES, UNDER ANY THEORY OF LIABILITY, ARISING AFTER THE EFFECTIVE DATE OUT OF, IN CONNECTION WITH, OR IN THE COURSE OF ARTICIA LINE EFFECTIVE DATE OUT OF, IN CONNECTION WITH, OR IN THE COURSE OF THE PRACTICE OF DONATED PROPERTY BY MACC, ITS LICENSEES, ASSIGNEES OR TRAINSFEREES. WITH RESPECT TO INDEMNIFICATION OF AIR PRODUCTS FOR ACTS

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MID-AM COMMERCIALIZATION

OF MACC'S LICENSEES, ASSIGNEES, OR TRANSFEREES, MACC MAY DISCHARGE THIS DUTY THROUGH USE OF AN INDEMNIFICATION CLAUSE NAMING AIR PRODUCTS AS AN INDEMNIFIED PARTY IN THE LICENSE, ASSIGNMENT, OR OTHER TRANSFER DOCUMENT. THE PARTIES AGREE THAT MACC SHALL ASSUME NO RESPONSIBILITY FOR ANY CLAIMS, COSTS OR DAMAGES ARISING FROM AIR PRODUCTS USE OF DONATIC PROPERTY PRIOR TO THE EFFECTIVE DATE AND THAT NOTWITHSTANDING ANYTHING HEREIN TO THE CONTRARY, AIR PRODUCTS SHALL INDEMNIFY MACC, ANYTHING HEREIN TO THE CONTRARY, AIR PRODUCTS SHALL INDEMNIFY MACC, MACC AFFILIATES, LICENSEES OF MACC AND THEIR RESPECTIVE TRUSTEES, OFFICERS AND EMPLOYEES, FROM ANY CLAIMS, COSTS OR DAMAGES, INCLUDING OFFICERS AND EMPLOYEES, FROM ANY CLAIMS, COSTS OR DAMAGES, INCLUDING SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, UNDER ANY THEORY OF LIABIETY, ARISING ON OR BEFORE THE EFFECTIVE DATE OUT OF, IN CONNECTION WITH, CIR IN THE COURSE OF THE PRACTICE OF DONATED PROPERTY.

- TITLE AND INTEREST IN AND TO DONATED PROPERTY AND HAS THE AUTHORITY TO ENTER THIS AGREEMENT. AIR PRODUCTS FURTHER REPRESENTS AND WARRANTS ENTER THIS AGREEMENT. AIR PRODUCTS FURTHER REPRESENTS AND WARRANTS THAT IT IS NOT AWARE OF ANY CLAIMS IT HAS (WHETHER ASSERTED OR UNASSERTED) AGAINST THIRD PARTIES ARISING OUT OF ANY CONTRACT UNASSERTED) AGAINST THIRD PARTIES ARISING OUT OF ANY CONTRACT WITH NEGOTIATIONS, CONTRACTS, OR ANY OTHER LEGAL ENTITY RELATIONSHIPS WITH NEGOTIATIONS, CONTRACTS, OR ANY OTHER LEGAL ENTITY RELATIONSHIPS WITH NEGOTIATIONS, CONTRACTS, OR ANY OTHER LEGAL ENTITY RELATIONSHIPS WITH NEGOTIATION CLAIM, OR A WRITTEN DOCUMENT WITH AN ACTUAL THREAT OF A CLAIM LITIGATION CLAIM, OR A WRITTEN DOCUMENT WITH AN ACTUAL THREAT OF A CLAIM PRODUCTS PROVIDES THE DONATED PROPERTY "AS IS". AIR PRODUCTS MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY WHATSIDIEVER. AIR PRODUCTS IS UNAWARE OF ANY CONTRACTS, INCLUDING WHATSIDIEVER. AIR PRODUCTS IS UNAWARE OF ANY CONTRACTS, INCLUDING LICENSES, OPTIONS AND COLLABORATIVE ARRANGEMENTS, RELATING THE DONATED PROPERTY.
- ANY THIRD PARTY OR GOVERNMENTAL ENTITY THAT MACC HAS IN ANY WAY ANY THIRD PARTY OR GOVERNMENTAL ENTITY THAT MACC HAS IN ANY WAY APPROVED OF, ENDORSED, OR AGREED TO ANY OF AIR PRODUCTS' CONFIDENTIAL INFORMATION. AIR PRODUCTS SHALL INDEMNIFY AND HOLD MACC HARMLESS FROM AND ABAINST ANY CLAIMS REGARDING THE VALUATION AND DEDUCTIBILITY OF THE DONALED PROPERTY.
- any sanignment it makes of AIR PRODUCTS PATENT RIGHTS, other than licenses to Kanses State Liniversity, other research universities or other research instrutions for research purposes only. In the extent allowed by law, will provide as an express condition of the license or only. In the extent allowed by law, will provide as an express condition of the license or assignment that the licenses or assignments (including attorney's test) shaing out of or in the course and all claims, expenses and judgments (including attorney's test) shaing out of or in the course of the for any sublicensees') practice of the DONATED TECHNOLOGY, and (b) will release, of the for any sublicensees') practice of the DONATED TECHNOLOGY, and (b) will release, indemnify, defend and hold harmless AIR PRODUCTS, AIR PRODUCTS AFFILLIATES, MACC and NACC AFFILLIATES from any claims, costs or damages, including special, indirect or consequential damages, under any theory of liability, arising out of or in the course of such practice. If MACC, in its sole discretion, requires its licensee or assignee of the AIR products PATENT RIGHTS to purchase and maintain comprehensive general liability insurance. MACC will require that the policy name AIR PRODUCTS and AIR PRODUCTS

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AFFILIATIES as an additional insured, include a walver of all rights of subrogation against AIR PRODUCTS and AIR PRODUCTS AFFILIATES, and include, where applicable, a contractual liability endorsement to support the licenses's or assignse's indemnity obligations.

Nothing in this Agreement shall be construed as conferring by implication or otherwise any floence or rights under any patents, trademarks, trade secrets, copyrights or any other intellectual property of AIR PRODUCTS other than the PATENT RIGHTS. AIR PRODUCTS represents that it is not aware of any dominant patent or patent application owned products represents that it is not aware of any dominant patent or patent application. or controlled by, or licensed to, AIR PRODUCTS and, if existing, shall not invoke such rights in any way to restrict the exploitation of the PATENT RIGHTS. AIR PRODUCTS covenants not to sue MACC, MACC AFFILIATES, and any licensees of MACC for practice within the defined scope of chains of PATENT RIGHTS.

EXPORT OF INFORMATION OR TECHNOLOGY

MACC will not at any time after the Effective Date knowingly export or re-export any laformation or software received from AIR PRODUCTS or the direct products of such information or software to any country, person or entity or for any use prohibited by the U.S. Export Administration Regulations, unless properly authorized by the U.S. Government.

GOVERNING LAW

This Agreement shall be governed by the laws of the Commonwealth of Pennsylvania excluding those laws pertaining to conflicts of law.

COMPIDENTIALITY

- MACC agrees to: (i) use all reasonable efforts to prevent the disclosure of CONFIDENTIAL INFORMATION to any party, without AIR PRODUCTS' prior written consent, other than to MACC AFFILIATES and the employees of MACC or MACC AFFILIATES on a need-ti-know basis, (ii) take measures that, in the aggregate, are no loss stringent tran those measure) MACC uses to protect the confidentiality of its own confidential information, and (ii) to advise the employees of MACC or MACC AFFILIATES of the confidential nature of the CONFIDENTIAL INFORMATION and of the prohibitions on revealing such CONFIDENTIAL INFORMATION contained herein. If MACC needs to disclose the CONFIDENTIAL INFORMATION to a third party in order for MACC to further develop and commercialize the DONATED TECHNOLOGY and AIR PRODUCTS has agreed to such disclosure, then AIR. PRODUCTS will allow the disclosure, provided that, such third party is under confidentiality obligations to MACC consistent with the obligations of this Agreement. If MACC makes a distribute to a third party under the provisions of this Paragraph 8.1. MACC agrees to be distribute to a third party under the provisions of this Agreement and for any responsible for compliance by such third party with the obligations of this Agreement and for any breach of such obligations by such third party.
 - The obligations of Paragraph 8.1 related to confidentiality and nonuse shall not apply if (i) the confidential information at the time of disclosure or in the future becomes public through no breach of this Agreement by MACC; (ii) the confidential information is received from a thin party with no obligation of confidentiality; (iii) the information was in MACC's possession at the time of disclosure by AIR PRODUCTS as shown by written record; or (iv) fifteen (15) years has t assed since the Effective Date of this Agreement.

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MID-AM COMMERCIALIZATION

- 8.3 AIR PRODUCTS agrees to allow MACC to retain a copy of the CONFIDENTIAL INFORMATION. MACC agrees to maintain the CONFIDENTIAL INFORMATION in a secure location.
- 8.4 If MACC, or snyone to whom MACC has transmitted CONFIDENTIAL INFORMATION pursuant to this Agreement, becomes legally compelled to disclose any of the CONFIDENTIAL INFORMATION, or is required to do so by any governmental agency or body, MACC will promptly notify AIR PRODUCTS so that AIR PRODUCTS may seek a protective order or other remedy and/or waive compliance with the provisions of this Agreement. If a protective order or other remedy is not obtained, or if AIR PRODUCTS agrees to waive compliance with the provisions of this Agreement, MACC or such other person shall to waive compliance with the provisions of this Agreement, MACC or such other person shall to the confidence of the CONFIDENTIAL INFORMATION which MACC's legal counsely that determined is legally required.
- 3.5 The MACC agrees that any announcement of this Agreement through public relations πiedia, news media, advertising media, sales media, or any other public means of communication shall only be done with the express prior written consent and approval of AIR PRODUCTS.
- 8.6 As of the Effective Date, the obligations of this Article 8 supercedes that certain confidentiality agreement between MACC and AIR PRODUCTS dated 18 December 2003.

EXECUTION

ii.1 The parties have caused this Agreement to be signed in duplicate originals by their duly authorized representatives on the dates set forth below.

10 CITHER

10.1 Other than as set forth herein and that certain confidentiality agreement between MAGC and AIR PRODUCTS detect 15 December 2003, AIR PRODUCTS has placed no conditions or restrictions on the gift to MACC of the DONATED PROPERTY.

MID AMERICA COMMERCIALIZATION CORPORATION	AIR PRODUCTS AND CHEMICALS, INC.
BY: 52023	Name: Cecil C. (Maggelor)
Name: Ronald L-Sumpson Title: Prisident & CEO	Title: V.O Gases & Equip. Technology Date: 20 December 2003
Date:	Date: 20 Vecemper Co
86-273-P-88	- 6 - 29 December 2003

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APPENDIX "A"
AIR PRODUCTS PATENT RIGHTS

RECORDED: 06/26/2009

Docket Number 06299 UK 0218815.9 (pending)

Docket Number 06429 USSN 10715,757 (pending)

PCT/GB03/03403 GCC/GB03/03403

Docket Number 06244 USSN 10/083,778 (pending) PCT//B03/00695 GCC/P/2003/2506

Docket Number 06037/06037D EP-1,197,471 (allowed)

US-6,534,561 (granted) USSN 10/301,953 (pending)

PATENT

REEL: 022896 FRAME: 0747