

05-27-2003

Form PTO-1595 (Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John V. O'Brien

5-22-03

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 2/20/03

2. Name and address of receiving party(ies)

Name: Chart Inc.

Internal Address: _____

Street Address: 5885 Landerbrook Drive Suite 150

City: Mayfield Hts. State: OH Zip: 44124

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/367,148

B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John E. Miller

Internal Address: Calfee, Halter & Griswold, LLP

Street Address: 800 Superior Avenue 1400 McDonald Investment Center

City: Cleveland State: OH Zip: 44114

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

03-0172

DO NOT USE THIS SPACE

9. Signature.

05/23/2003 LMUELLER 00000041 10367148

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John E. Miller

Name of Person Signing

J. Miller

Signature

5/20/03

Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 014091 FRAME: 0345

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, I, the undersigned, **John V. O'Brien**, residing at 6 Olde Colony Drive, Shrewsbury, Massachusetts 01545, hereby assign all right, title and interest to **Chart Inc.**, a Delaware corporation, 5885 Landerbrook Drive, Suite 150, Mayfield Hts., Ohio 44124, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions in

SEPARATING NITROGEN FROM METHANE IN THE PRODUCTION OF LNG

as set forth in U.S. Application Serial No. 10/367,148, filed on February 14, 2003, and any and all other applications for Letters Patent on said inventions in the United States and in all countries foreign to the United States, including but not limited to all non-provisional, provisional, divisional, renewal, substitute, national stage, continuation, PCT and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all

lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and the testify in any proceedings relating to said inventions, patent applications and Letters Patent.

I hereby instruct my attorneys to enter the corresponding serial number of the afore-referenced patent application prior to recording this assignment, to have the same effect as if entered prior to our signature.

Date: Feb. 20, 2003



JOHN V. O'BRIEN

State of Massachusetts)
)
County of Worcester) SS:

On this 20th day of February, 2003, personally appeared before me, John V. O'Brien, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Date: February 20, 2003


Notary Public

William J. Murphy
Notary Public

My Commission Expires May 5, 2006