



05-02-2003



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1. Total number of pages including cover sheet, attachments and document: Five (5)

2. Name of Conveying Party(ies) and Execution Date(s) of Document(s)  Check here if additional name(s) attached

Name(s): Christopher L. Aardahl, Rick J. Orth, Kenneth G. Rappé, Delbert L. Lessor, and Gary B. Josephson

Execution Date(s): March 18, 2003, March 12, 2003, March 18, 2003, March 19, 2003, March 27, 2003, respectively

3. Name and address of receiving party  Check here if additional name(s) & address(es) are attached

Name Battelle Memorial Institute

Address 902 Battelle Boulevard, P. O. Box 999

City Richland

State/Country WA

Zip 99352

4. Nature of Conveyance

Assignment  Merger  Security Agreement  Name Change  Other:

5. Total number of applications and patents involved: One (1)

6. Total Fee Enclosed (37 C.F.R. § 3.41): \$40.00

7.  Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550

8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.

A.  This document is being filed with a new application. Execution date is: \_\_\_\_\_

B.  Patent Application No.(s) or Patent No.(s): 10/341,783

Check here if additional numbers are attached

9. Correspondent's name, address, and telephone number

Wayne W. Rupert  
Klarquist Sparkman, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204-2988  
Telephone: 503-226-7391

10.  Please return the attached postcard to confirm that these items have been received.

11. 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.*

Wayne Rupert

Name of Person Signing

*Wayne Rupert*  
Signature

4/22/03

Date

04/29/2003 SFELENE1 00000076 10341783

02 FC:8021

40.00 DP

cc: Docketing

## ASSIGNMENT

WHEREAS, we, Christopher L. Aardahl, of Richland, County of Benton, State of Washington; Rick J. Orth, of Kennewick, County of Benton, State of Washington; Kenneth G. Rappé, of Richland, County of Benton, State of Washington; Delbert L. Lessor, of Richland, County of Benton, State of Washington; and Gary B. Josephson, of Richland, County of Benton, State of Washington, have invented a certain invention, entitled PROCESSES AND APPARATUS FOR TREATING HALOGEN-CONTAINING GASES, for which an application for Letters Patent was filed on January 13, 2003, and was assigned U.S. Patent Application Number 10/341,783; and

WHEREAS, Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or patents to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Christopher L. Aardahl, Rick J. Orth, Kenneth G. Rappé, Delbert L. Lessor and Gary B. Josephson, hereby sell, assign and transfer to Battelle Memorial Institute, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Battelle Memorial Institute, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Battelle Memorial Institute, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Battelle Memorial Institute, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

Christopher L. Aardahl

At Richland, WA  
(City and State)

on this 18 day of March, 2003.

STATE OF Washington )  
  )     ss.  
COUNTY OF Benton    )

This 18<sup>th</sup> day of march, 2003, before me personally came the above-named Christopher L. Aardahl, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Notary Public For

My commission expires: 12/20/06

[SEAL]



*Rick J. Orth*

Rick J. Orth

At Richland, Washington

(City and State)

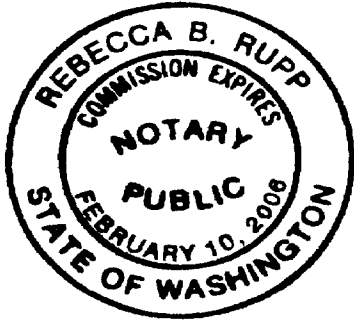
on this 12 day of March, 2003.

STATE OF Washington )

COUNTY OF Benton )

ss.

This 12 day of March, 2003, before me personally came the above-named Rick J. Orth, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

*Rebecca B. Rupp*

Notary Public For

My commission expires: 2/10/2006

*Kenneth G. Rappé*

Kenneth G. Rappé

At Richland, WA

(City and State)

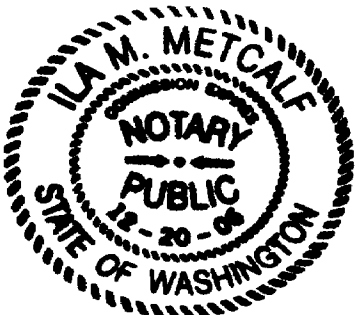
on this 18 day of March, 2003.

STATE OF Washington )

COUNTY OF Benton )

ss.

This 18<sup>th</sup> day of March, 2003, before me personally came the above-named Kenneth G. Rappé, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

*Ila M. Metcalf*

Notary Public For

My commission expires: 12/20/06

Delbert L. Lessor

Delbert L. Lessor

At Richland, Washington

(City and State)

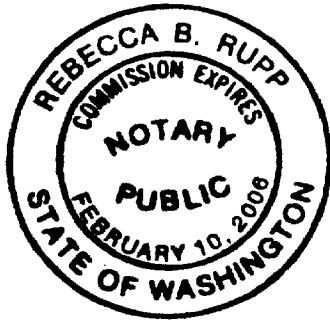
on this 19 day of March, 2003.

STATE OF Washington )

COUNTY OF Benton )

ss.

This 19 day of March, 2003, before me personally came the above-named Delbert L. Lessor, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

Rebecca B. Rupp

Notary Public For

My commission expires:

Gary B. Josephson

Gary B. Josephson

At Richland, Washington

(City and State)

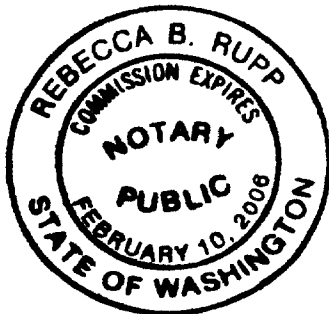
on this 27 day of March, 2003.

STATE OF Washington )

COUNTY OF Benton )

ss.

This 27 day of March, 2003, before me personally came the above-named Gary B. Josephson, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



[SEAL]

Rebecca B. Rupp

Notary Public For

My commission expires: