Fc m PTO-1595 U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office (Rev. 6-93) 04-29-1999 OMB No. 0651-0011 (exp. 4/94) HEET 101023734 DN 97-007 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Gerald Dean Erdman Name: MINERALS TECHNOLOGIES IN Additional name(s) of conveying partyties) attached? [] Yes [X] No Internal Address: Intellectual Property Departme Street Address: One Highland Avenue Nature of conveyance: [X] Assignment Change of Name City: Bethlehem State: PA Zip: 18017 Security Agreement] Merger Other _ Execution Date: April 16, 1999 Additional name(s) and address(es) attached? [] Yes [X] No 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: 4/16/99 Patent No.(s) A. Patent Application No.(s) Additional numbers attached? [] Yes [X] No Name and address of party to whom correspondence 6. Total no. of applications and patents involved: [1] concerning document should be mailed: Name: Marvin J. Powell 7. Total fee (37 CFR 3.41): **\$40.00** [] Enclosed Internal Address: Minerals Technologies Inc. [X] Authorized to be charged to deposit account 8. Deposit account number: **Intellectual Property Dept.** 13-3639 Street Address: One Highland Avenue City: Bethlehem State: PA Zip: 18017 (Attach duplicate copy of this page if paying by deposit account) 04/26/1999 JSHABAZZ 00000205 133639 DO NOT USE THIS SPACE 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. Marvin J. Powell April 16, 1999 Name of Person Signing Date Total Number of pages including cover sheet, attachments, and document 4

> PATENT REEL: 9907 FRAME: 0213

ASSIGNMENT

WHEREAS, Gerald Dean Erdman, of 635 Wisteria Ave., Reading, Pennsylvania 19606, (hereafter "Assignor(s)"), invented certain new and useful improvements in METHOD AND APPARATUS FOR CONTINUOUS GAS LIQUID REACTIONS, (hereafter "INVENTION") for which on the date below Assignor executed an application for Letters Patent of the United States of America:

AND WHEREAS at the time the INVENTION was made, Assignor was under an obligation to assign all right, title and interest in Assignor's INVENTION to MINERALS TECHNOLOGIES INC., a Delaware corporation having its principal place of business at 1 Highland Avenue, Bethlehem, Pennsylvania, 18017, which wants to formalize the assignment and its ownership of the entire interest in the INVENTION and in any and all applications for patent thereon and in any and all Letters Patent which may be granted thereon;

NOW, THEREFORE, for valuable consideration received by Assignor, receipt and sufficiency of which is hereby acknowledged, Assignor has assigned and by this Assignment does assign to MINERALS TECHNOLOGIES INC., for the United States of America, its territorial possessions, and for all foreign countries, the entire right, title, and interest in and to the INVENTION including the right to apply for patents, or similar protection, including any continuations, divisional, renewal, substitute, reissue or improvement applications, and to claim International Convention priority, in all such foreign countries; Assignor further agrees without further consideration to testify in any proceedings, to execute all papers, execute all divisional, continuing, continuation-in-part, reissue and foreign applications, and make all rightful oaths and declaration relating to the INVENTION, requested by MINERALS TECHNOLOGIES INC.; and Assignor does hereby authorize and request the Assistant Commissioner for Patents of the United States of America and the corresponding official in any foreign country to issue any Letters Patent which may be granted in the United States or foreign country, respectively, to MINERALS TECHNOLOGIES INC. for its sole use and benefit and for its successors and assigns, to the full end of the term or terms for which said Letters Patent may be granted.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

4-16-99

Date

(Full Signature)

1

COMMONWEALTH OF PENNSYLVANIA COUNTY OF Northampton

: SS.

Gerald Dean Erdman personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 16 day of April, 1999.

[SEAL]

Rosemany Molinaro Notary Public

Notarial Seal Rosemary Molinaro, Notary Public Hanover Twp., Northampton County My Commission Expires Oct. 15, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Docket No. **DN 97-007** MJP/ar

IN RE APPLICATION OF:

GERALD DEAN ERDMAN

SERIAL NO.: NONE

Group Art Unit:

FILED: Herewith

Examiner:

FOR: METHOD AND APPARATUS FOR CONTINUOUS GAS LIQUID REACTIONS

Hon. Commissioner of Patents and Trademarks

Washington, D.C. 20231

RECORDAL OF ASSIGNMENT - 37 CFR 1.331

Sir:

Kindly record the enclosed assignment for the above-identified application. When recordal has been effected, please return the original document to the undersigned.

The Commissioner is authorized to charge the fee of \$40.00 to Deposit Account No. 13-3639. A duplicate copy of this recordal request is enclosed. Please charge any additional fees due or credit any overpayment to Deposit Account No. 13-3639.

Respectfully Submitted

Marvin J. Powell Attorney of Record

Registration No. 29,840

April 16, 1999

U.S. Postal Label No. EM219771783US

RECORDED: 04/16/1999

PATENT REEL: 9907 FRAME: 0216