

04-13-1999



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Form PTO-1595  
Modified

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PATENTS AND  
ASSIGNMENTS

n: UNION CARBIDE CORPORATION

To the HONORABLE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
James Daniel Madden  
Michael William TilstonAdditional name(s) of conveying  
party(ies) attached? [ ] Yes ☒ No

2. Name and address of receiving party:

UNION CARBIDE CHEMICALS & PLASTICS  
TECHNOLOGY CORPORATION39 Old Ridgebury Road  
Danbury, Connecticut 06817-0001  
United States of AmericaAdditional name(s) &  
address(es) attached? [ ] Yes ☒ No

3. Nature of conveyance:

☒ AssignmentExecution Date: March 17, 1999 and  
March 26, 1999

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)

B. Patent No.(s)

Additional numbers attached? [ ] Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Mr. Stanley J. Paccione  
UNION CARBIDE CHEMICALS & PLASTICS  
TECHNOLOGY CORPORATION  
Location E2-05  
39 Old Ridgebury Road  
Danbury, CT 06817-00016. Total number of applications and patents  
involved: 17. Total fee (37 CFR 3.41): \$ 40.00☒ Enclosed [ ] Authorized to be charged  
to deposit account☒ Deficiency/overpayment authorized to be  
charged/credited to deposit account.8. Deposit account number: 21-0100  
(Attach duplicate copy of this page if paying by deposit  
account)

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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.Saul R. Bresch

Name of Person Signing

Signature

3/30/99

Date

Total number of pages including cover sheet, attachments, and document: 4Our Ref.: D-17918

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Box Assignments  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231Public burden reporting for this sample cover sheet is estimated to average about 30 min. per document to be recorded,  
including time for reviewing the document and gathering the data needed, and completing and reviewing the sample  
cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of  
Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork  
Reduction Project (0651-0011), Washington, D.C. 20503.

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

We, the undersigned, James Daniel Madden, Engineer and Citizen of the United States of America, and Michael William Tilston, Engineer and Citizen of the United Kingdom, residing respectively at 364 Fairview Drive, Charleston 23502 and 2285 South Walnut Drive, St. Albans 25177, State of West Virginia, United States of America,

HEREBY STATE UNDER OATH that we are the original, first and joint inventors of an invention for **STAGED REACTOR PROCESS**

as described and/or claimed in our application for Letters Patent in the United States of America, executed on the 17<sup>th</sup> day of March 1999, by said James Daniel Madden  
executed on the 26<sup>th</sup> day of March 1999, by said Michael William Tilston

Serial No. \_\_\_\_\_, filed on the \_\_ day of \_\_\_\_\_ 1999, (Case No. D-17918).

NOW, THEREFORE, in consideration of our employment by Union Carbide Corporation, manufacturers, a corporation organized and existing under the laws of the State of New York, United States of America and having an office at 39 Old Ridgebury Road, Danbury, State of Connecticut, 06817-0001, United States of America, and having as its wholly-owned subsidiary,

**UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION**

technology licensors, a corporation organized and existing under the laws of the State of Delaware, United States of America, and having an office at 39 Old Ridgebury Road, Danbury, State of Connecticut, 06817-0001, United States of America.

WE DO HEREBY ASSIGN AND TRANSFER, without any restrictions, reservations or limitations, our entire right, title, and interest in and to said invention and application unto, as the Assignee, the aforesaid

**UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION**

its successors, assigns and nominees, and the entire right, title and interest in and to all patents which may be granted thereon, and all divisions, continuations, continuations-in-part, reissues, reexaminations and extensions thereof;

AND ALL PRIORITY RIGHTS derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property, for any and all member countries of the aforesaid International Convention;

AND 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 for and recover accrued profits or damages for any and all infringements thereof;

AND AUTHORIZE the above-named Assignee to insert in this instrument the serial number and filing date of said application;

AND AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue all patents on said invention to said UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION as Assignee of the entire right, title and interest, and covenant that we have full right so to do, and agree that we will communicate to said Corporation or its representatives any facts known to us respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Corporation, its

successors, assigns, and nominees, to obtain and enforce proper protection for said invention in all countries.

SIGNED AND SEALED at South Charleston this 17<sup>th</sup> day of March, 1999.  
West Virginia

WITNESSES:

James Daniel Madden  
JAMES DANIEL MADDEN

1. Elizabeth D. Steen
2. Dilly D. Loom

SIGNED AND SEALED at South Charleston this 26 day of March, 1999.  
West Virginia

WITNESSES:

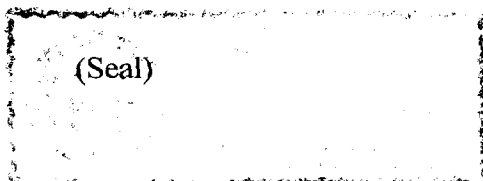
Michael William Tilston  
MICHAEL WILLIAM TILSTON

1. Elizabeth D. Steen
2. Lucas H. Orr

State of West Virginia )  
County of Kanawha ) ss:

This 17 day of March, 1999 before me personally came the above-named JAMES DANIEL MADDEN to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Joan Etta Cox  
Notary Public



State of West Virginia )  
County of Kanawha ) ss:

This 26 day of March, 1999 before me personally came the above-named MICHAEL WILLIAM TILSTON to me personally known as the individual who executed the foregoing assignment, who has acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Joan Etta Cox  
Notary Public

