



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

I, the undersigned, Rex E. Murray, Simon Mawson, John F. Szul, Kersten Anne Erickson, Tae Hoon Kwack, Frederick J. Karol, and David James Schreck, HEREBY STATE UNDER OATH that I am the original and first inventor or co-inventor of an invention for *Multiple Catalyst System* as described and/or claimed in my application for Letters Patent in the United States of America, executed on the 13, 14, 17 / 8 day(s) of January / February, 2000, given the Serial No. 09/455,883, and filed on December 6, 1999, with the Family Number 1999U035.

NOW, THEREFORE, in consideration of my 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 fifty-percent-owned joint venture, UNIVATION TECHNOLOGIES, LLC, technology licensors, a company organized and existing under the laws of the State of Delaware, United States of America, and having an office at 5555 San Felipe, Suite 1950, Houston, Texas 77056, United States of America,

I DO HEREBY ASSIGN AND TRANSFER, without any restrictions, reservations or limitations, my entire right, title, and interest in and to said invention and application unto, as the Assignee, the aforesaid UNIVATION TECHNOLOGIES, LLC, 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 mine, and the sole right to have patents granted on said applications in its name and/or mine 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 me had this assignment not been made, and to enforce said patents with my 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 execution date, 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 UNIVATION TECHNOLOGIES, LLC as Assignee of the entire right, title and interest, and covenant that I have full right so to do, and agree that I will communicate to said Corporation or its representatives any facts known to me 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.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE \_\_\_\_\_ (LS)  
\_\_\_\_\_ Rex E. Murray

\_\_\_\_\_  
Witness

DATE \_\_\_\_\_ (LS)  
\_\_\_\_\_ Simon Mawson

\_\_\_\_\_  
Witness

DATE \_\_\_\_\_ (LS)  
\_\_\_\_\_ John F. Szul

\_\_\_\_\_  
Witness

DATE \_\_\_\_\_ (LS)

\_\_\_\_\_  
Kersten Anne Erickson

\_\_\_\_\_  
Witness

DATE January 13, 2000 \_\_\_\_\_ (LS)

Tae Hoon Kwack  
Tae Hoon Kwack

\_\_\_\_\_  
Witness

DATE 1/14/00 \_\_\_\_\_ (LS)

Frederick J. Karol  
Frederick J. Karol

\_\_\_\_\_  
Witness

DATE \_\_\_\_\_ (LS)

\_\_\_\_\_  
David James Schreck

\_\_\_\_\_  
Witness

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IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE 1/13/2000 *Rex Eugene Murray* (LS)  
Rex E. Murray

*Simon Mawson*  
Witness

DATE 1-13-00 *Simon Mawson* (LS)  
Simon Mawson

*Simon Mawson*  
Witness

DATE 1-13-2000 *John F. Szul* (LS)  
John F. Szul

*Simon Mawson*  
Witness

DATE 1-28-00 Kersten Anne Erickson (LS)  
Kersten Anne Erickson

Samella Toi  
Witness

DATE \_\_\_\_\_ (LS)  
Tae Hoon Kwack

\_\_\_\_\_  
Witness

DATE \_\_\_\_\_ (LS)  
Frederick J. Karol

\_\_\_\_\_  
Witness

DATE Jan 17, 2000 David James Schreck (LS)  
David James Schreck

Samella Toi  
Witness

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/455,883
Filing Date	December 6, 1999
First Named Inventor	Rex E. Murray, et al.
Group Art Unit	1755
Examiner Name	Unassigned
Attorney Docket Number	1999U035.US

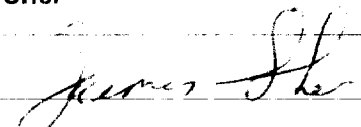
Total Number of Pages in This Submission 8

## ENCLOSURES (check all that apply)

- |                                                                           |                                                                                         |                                                                                            |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Fee Transmittal Form                             | <input checked="" type="checkbox"/> Assignment Papers (for an Application)              | <input type="checkbox"/> After Allowance Communication to Group                            |
| <input type="checkbox"/> Preliminary Amendment / Response                 | <input type="checkbox"/> Drawing(s)                                                     | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> After Final Affidavits/declaration(s)            | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition    | <input type="checkbox"/> Proprietary Information                                           |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> To Convert a Provisional Application                           | <input type="checkbox"/> Status Letter                                                     |
| <input type="checkbox"/> Information Disclosure Statement                 | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Additional Enclosure(s) (please identify below)                   |
| <input type="checkbox"/> Certified Copy of Priority Documents)            | <input type="checkbox"/> Terminal Disclaimer                                            |                                                                                            |
| <input type="checkbox"/> Response to Missing Part/ Incomplete Application | <input type="checkbox"/> Request for Refund                                             |                                                                                            |
| <input type="checkbox"/> Response to Missing Parts                        |                                                                                         |                                                                                            |

REMARKS

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Or Individual name	Jaimes Sher	34,726
Signature		
Date	March 7, 2000	

## CERTIFICATE OF MAILING

I hereby certify having information and a reasonable basis for belief that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: March 7, 2000

Typed or printed name	Regina A. Tucker	Date	March 7, 2000
Signature	