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1. Name of conveying party(ies):

Ping Cai and Kiu Hee Lee

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ AssignmentExecution Date: October 23, 2000

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 ☒ NoJC914 U.S. PTO
09/698425

10/27/00

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:
October 23, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. 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 account8. 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.

Paul W. Leuzzi, II

Name of Person Signing

Signature

October 26, 2000

Date

Total number of pages including cover sheet, attachments, and document: 4Our Ref.: D-17998

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

We, the undersigned, PING CAI, Engineer, Citizen of China, residing at 5 Greenbrier
Ave., Hurricane, West Virginia 25526; and KIU HEE LEE, Engineer, Citizen of the United
States of America, residing at 1002 Rustling Road, So. Charleston, West Virginia 25314, United
States of America.

HEREBY STATE UNDER OATH that we are the original, first and joint inventors of an
invention for DETECTION OF DYNAMIC FLUIDIZED BED LEVEL IN A FLUIDIZED BED
POLYMERIZATION REACTOR USING ULTRASONIC WAVES OR MICROWAVES
as described and/or claimed in our application for Letters Patent in the United States of America,
executed on the 16th day of March 2000, by said PING CAI
executed on the 23rd day of April 2000, by said KIU HEE LEE
Serial No. _____, filed on the _____ day of _____ 2000, (Case No. D-17998).

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 Sweet Charles, this 16th day of Oct., 2000.
West Virginia

WITNESSES:

Ping Cai
PING CAI

1. Angela Treeshore

2. Elizabeth Whittington

SIGNED AND SEALED at Sweet Charles, this 23rd day of October, 2000.
West Virginia

WITNESSES:

Kiu Hee Lee
KIU HEE LEE

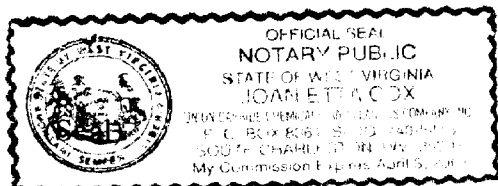
1. Angela Treeshore

2. Lilly L. Libin

State of West Virginia)
County of Kanawha) SS:

This 16th day of October, 2000, before me personally came the above-named PING CAI 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 23rd day of October, 2000, before me personally came the above-named KIU HEE LEE 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

