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3675 U.S. PTC 09/473500

12/28/99

1. Name of conveying party(ies):
Robert Charles Job
Walter Thomas Reichle

2. Name and address of receiving party:

UNION CARBIDE CHEMICALS & PLASTICS
TECHNOLOGY CORPORATION

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

39 Old Ridgebury Road
Danbury, Connecticut 06817-0001
United States of America

3. Nature of conveyance:

[X] Assignment

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: Dec. 14, Dec. 14, 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:
Dec. 14, Dec. 14, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/473500

Additional numbers attached? [] Yes [X] 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 06817-0001

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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

We, the undersigned, Robert Charles Job, Chemist and citizen of the USA; and
Walter Thomas Reichle, Chemist and citizen of the USA; reside respectively 762 Ross Lane,
Bound Brook, New Jersey 08805; and 158 Mountan Avenue, Warren, New Jersey 07059;

HEREBY STATE UNDER OATH that we are the original, first and joint inventors of an invention
for MIXED METAL ALKOXIDE AND CYCLOALKADIENYL CATALYSTS FOR THE
PRODUCTION OF POLYOLEFINS

as described and/or claimed in our application for Letters Patent in the United States of America.
executed on the 14th day of December 1977, by said Robert Charles Job
executed on the 14th day of December 1977, by said Walter Thomas Reichle
executed on the _____ day of _____ 19____, by said _____
executed on the _____ day of _____ 19____, by said _____
Serial No. _____, filed on the _____ day of _____, (Case No. D-17940).

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;

5.98

Date of Deposit **DEC 28 1999** "EXPRESS MAIL" Mailing Label No. EL519509403US
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231
R. Wiggins
(Typed or printed name of person mailing paper or fee)
R. Wiggins
(Signature of person mailing paper or fee)
PATENT
REEL: 010508 FRAME: 0279

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 Bernd Brook, NJ this 14th day of Dec., 1999.

WITNESSES: Robert Charles Job
Robert Charles Job

1. Barbara Muller

2. [Signature]

SIGNED AND SEALED at Bernd Brook, NJ this 14th day of Dec., 1999.

WITNESSES: Walter Thomas Reichle
Walter Thomas Reichle

1. Barbara Muller

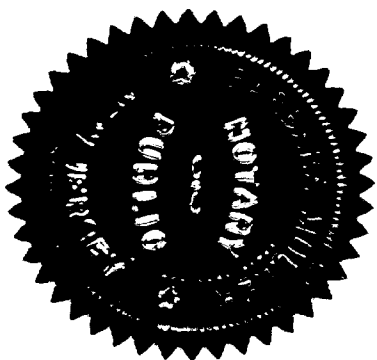
2. [Signature]

State of New Jersey)
County of Somerset) ss:

This 14th day of Dec., 1999, before me personally came the above-named Robert Charles Job 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.

Barbara Muller
Notary Public

BARBARA MULLER
Notary Public of New Jersey
Commission Expires 6/13/2001



State of New Jersey)
County of Somerset) ss:

This 14th day of Dec 1999, before me personally came the above-named Walter Thomas Reichle 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.

Barbara Muller
Notary Public

BARBARA MULLER
Notary Public of New Jersey
Commission Expires 6/13/2001



State of _____)
County of _____) ss: