

12-09-1998

To the Honorable Commissioner of Patents and Trademark
Please record the attached original documents or copy thereon.

100918015

SIGNMENTS

1. Name of conveying party(ies): MRO 12-4-98
Sang-Eon PARK, Jong-San CHANG, Yong Ki PARK,
Min Seok PARK, Chul Wee LEE and Jermim NOH

2. Name and address of receiving party(ies):

Name: KOREA RESEARCH INSTITUTE OF CHEMICAL
TECHNOLOGYAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

☒ Assignment ☐☐ Security Agreement ☐

Change of Name

Street Address: 100, Jang-dong, Yusung-ku,
Daejeon 305-343, Republic of Korea

City:

State:

Zip Code:

☐ Other

Additional name(s) & Address(es) attached?

☐ Yes ☒ NoExecution Date: November 13, 1998

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:

A. Patent Application Number(s):

09/163,350

B. Patent Number(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mr. Ernest F. ChapmanInternal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT
& DUNNER, L.L.P.12/04/1998 JSHABAZZ 00000189 0916335001 FC:581 40.00 OP6. Total number of applications and registrations involved:
17. Total fee (37 CFR 3.41): \$40
☒Enclosed (Please charge deficiency to deposit account)
☐

Authorized to be charged to deposit account

Street Address: 1300 I Street, N.W.City: WashingtonState: DC Zip: 20005-33158. Deposit account number: 06-0916

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.

Dennis P. O'Reilly

Signature

ERNEST F. CHAPMANDecember 4, 1998

Date

Total number of pages including cover sheet, attachments and documents: 5

JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as Assignors, have made an invention entitled:

A CATALYST FOR DEHYDROGENATING AROMATIC HYDROCARBONS WITH CARBON DIOXIDE

for which we executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on September 30, 1998 (Serial No. _____); and

WHEREAS, KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, a corporation of Korea whose post office address is 100, Jang-dong, Yusung-ku, Daejeon 305-343, Republic of Korea (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

**PATENT
REEL: 9618 FRAME: 0928**

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/163,350, filed September 30, 1998) the filing date and application number of said application when known.

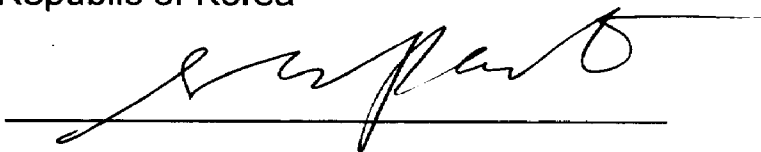
IN TESTIMONY WHEREOF, we have hereunto set our hands.

First Assignor

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Citizenship: Republic of Korea

Signature:



Date:

November 13, 1998

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Citizenship: Republic of Korea

Signature:



Date:

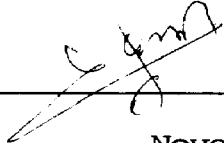
November 13, 1998

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Citizenship: Republic of Korea

Signature: _____



Date: _____

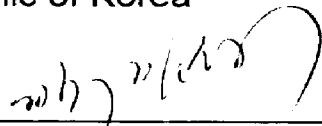
November 13, 1998

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Date: _____

November 13, 1998

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Date: November 13, 1998

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Junjoo, Republic of Korea

Citizenship: Republic of Korea

Signature: 

Date: November 13, 1998