Form PTO-1595 U.S. Patent and Trademark Office 11-17-2003 ed original documents or copy thereof. To the Honorable Commissioner o 102601879 1. Name of conveying party(ies): Chun-Byung Yang Name: Samsung Atofina Co., Ltd. Sang-Yull Kim Street Address: 411-1, Dokgod-Ri, Daesan-Up, Seosan-Si Weon Lee ChungNam 356-711 Additional name(s) of conveying party(ies) attached? Yes No Country: Republic of Korea 3. Nature of conveyance ■ Assignment Additional name(s) and addresses attached? Yes No ☐ Security Agreement ☐ Change of Name ☐ Other: Execution Date: September 30, 2003 4. Application number(s) or patent numbers: 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): 10/416,692 filed May 9, 2003 3003 MKAYPAGH 00000051 501505 10416692 Additional numbers attached? ☐ Yes ☒ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: __1_ concerning document should be mailed: \$40.00 7. Total Fee (37 C.F.R. § 3.41): Eric B. Meyertons □ Fee Authorization Form Enclosed Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. ☐ Authorized to be charged to deposit account P.O. Box 398 8. Deposit Account No.: 50-1505/5333-04400/EBM Austin, Texas 78767-0398 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Eric B. Meyertons Reg. No. 34,876 Signature

PATENT

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

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to SAMSUNG ATOFINA CO. LTD. (the "Assignee"), having a place of business at 411-1, Dokgod-Ri, Daesan-Up, Seosan-Si, ChungNam 356-711, Republic of Korea the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 10/416,692 filed on May 9, 2003, and is entitled "METHOD FOR PRODUCING A CATALYST FOR HOMO- OR CO-POLYMERIZATION OF ETHYLENE", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Page 1

(Signature)	Chem Cogaz	yay
Name:	Chun-Byung Yang	U

Date: September 30, 2003

(Signature) Sang-Yull Kim

Date: September 30, 2003

(Signature) .
Name:

Wean Lee

Date: September 30, 2003

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