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| To the Honorable Commissioner of Patents and Trademarks: | Please record the attached original documents or copy thereof. |
| 1. Name of conveying party(ies): Sonja Eijsbouts Tetsuro Kamo Franciscus Wilhelmus Houtert Marcel Adriaan Jansen Frans Lodewijk Plantenga Additional name(s) of conveying party(ies) attached? Yes No Nature of conveyance: | 2. Name and address of receiving party(ies) Name:Akzo Nobel NV Internal Address: |
| | Street Address: Velperweg 76 |
| ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other | The Netherlands City: Arnhem State: ZIP:6824 BM |
| Execution Date: 08/24/00; 09/11/00; 09/14/00; 09/29/00 | Additional name(s) & address(es) ättached? ☐ Yes) No |
| Application number(s) or patent number(s): | |
| If this document is being filed together with a new applicatio | n, the execution date of the application is: |
| A. Patent Application No.(s) 09/609,126 | B. Patent No.(s) |
| Additional numbers at | tached? 🖸 Yes 🗗 No |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: |
| Name: Louis A. Morris | 7. Total fee (37 CFR 3.41)\$\$ |
| Internal Address: Intellectual Property Dept. | ☐ Enclosed |
| Akzo Nobel Inc. | Authorized to be charged to deposit account |
| Street Address: 7 Livingstone Avenue | 8. Deposit account number: |
| City: Dobbs Ferry State: NY ZIP: 10522 | (Attach duplicate copy of this page if paying by deposit account) |
| /02/2001 MTHAI1 00000056 011350 09609126 DO NOT US | E THIS SPACE |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing inform the original document. | ation is true and correct and any attached copy is a true copy of |
| Louis A. Morris | November 29, 2000 Signature Date |
| Name of Person Signing Total number of pages including a | Signature Date cover sheet, attachments, and document: |

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DEED OF ASSIGNMENT

Whereas, WE, SONJA **EIJSBOUTS**, FRANCISCUS WILHELMUS **HOUTERT**, MARCEL ADRIAAN **JANSEN**, TETSURO **KAMO** and FRANS LODEWIJK **PLANTENGA** have invented certain new and useful improvements in the **PROCESS FOR REGENERATING ADDITIVE-BASED CATALYSTS**, for which an application for United States Letters Patent has been executed; and

Whereas, AKZO NOBEL N.V. a corporation organized and existing under and by virtue of the laws of the Netherlands, with its principal office and place of business at Velperweg 76, 6824 BM Arnhem, the Netherlands and NIPPON KETJEN CO. LTD., with its principal office and place of business at 5-9, Shiba 1-chome, Minato-ku, Tokyo 105-0014 Japan, is desirous of acquiring the entire right, title and interest in and to said application and the invention therein disclosed, described and claimed; in any and all continuations and divisions of said application; in any and all Letters Patent of the United States of America which may issue from said application or continuations or divisions thereof, including any and all reissue or reissues, of such Letters Patent; and, in any and all foreign applications corresponding to said application or applications, and such foreign Letters Patent which may issue therefrom;

Now, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration to us in hand paid by the said AKZO NOBEL N.V. and NIPPON KETJEN CO. LTD. the receipt whereof is hereby acknowledged, we the said, SONJA EIJSBOUTS, FRANCISCUS WILHELMUS HOUTERT. MARCEL ADRIAAN JANSEN, TETSURO KAMO and FRANS LODEWIJK PLANTENGA have bargained, sold, assigned, transferred and set over, and by these presents do hereby bargain, sell, assign, transfer and set over unto the said AKZO NOBEL N.V. and NIPPON KETJEN CO. LTD., its successors and assigns the entire right, title and interest in and to said application for Letters Patent, and the invention therein disclosed, described and claimed; in any and all continuations and divisions of said application; in any and all Letters Patent of the United States of America which may issue from said application or continuations or divisions thereof, including any and all reissue or reissues of such Letters Patent; and, in any and all foreign Applications corresponding to said application or applications, and such foreign Letters Patent which may issue therefrom; the said AKZO NOBEL N.V., and NIPPON KETJEN CO. LTD. assigns or other legal representatives, to the full end of the term or terms for which said Letters Patent may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

> PATENT REEL: 011382 FRAME: 0118

And we hereby authorize the Commissioner of Patents to issue any and all Letters Patent of the United States of America for said invention, or resulting from said application or applications therefor, to the said AKZO NOBEL N.V. and NIPPON KETEN CO. LTD., as the assignee of the entire right, title and interest in and to the said application and invention.

And we further covenant and agree that we will at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention, or any Letters Patent that may be granted therefor, in AKZO NOBEL N.V. and NIPPON KETJEN CO. LTD., its successors, assigns or other legal representatives, and that if the said AKZO NOBEL N.V. and NIPPON KETJEN CO. LTD., its successors, assigns or other legal representatives desire to secure a reissue or extension or division of said Letters Patent, we will, upon request, sign all papers, make all rightful oaths, and do all legal acts necessary and requisite for the application for such reissue, extension or division, and the procuring thereof.

And we further covenant and agree that we will at any time, upon request, communicate to AKZO NOBEL N.V. and NIPPON KETJEN CO. LTD., its successors, assigns or other legal representatives, any facts relating to the said invention and Letters Patent. or the history thereof known to us, and will testify as to the same in any interference or litigation when requested to do so.

Witness Whereof we have hereunto set our hand and seal.

RECORDED: 12/04/2000

| Date: 11 Sept. 2000 | S. Coxouts |
|----------------------|------------------------------|
| | Sonja Eijsbouts |
| Date: <u>/4</u> | Franciscus Wilhelmus Houtert |
| Date: 11 - 9-2000 . | Marcel Adriaan Jansen |
| Date: 24 August 2000 | Tetsuro Lamo |
| Date: 24 8pt 2wo | Tetsuro Kamo |
| Date. Zoj win 200 | Frans Lodewijk Plantenga |

PATENT REEL: 011382 FRAME: 0119