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Execution Date: November 6, 2000

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: November 6, 2000

A. Patent Application No.(s)

B. Patent No.(s)  
Not Yet Assigned

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5. Name and address of party to whom correspondence concerning document should be mailed:  
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6. Total number of applications and registration involved:  
1  
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# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert  
ASSIGNEE's  
Name(s)  
Address(es))

SHOWA DENKO K.K.,

13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of  
Invention)

CATALYST FOR USE IN PRODUCING ACETIC ACID, PROCESS FOR PRODUCING THE CATALYST,  
AND PROCESS FOR PRODUCING ACETIC ACID USING THE CATALYST

relating to International Patent Application PCT/JP 00 / 06923 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date  
of execution  
of application,  
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(a) executed on \_\_\_\_\_ ;  
(b) filed on \_\_\_\_\_ ;  
Serial No. \_\_\_\_\_ / \_\_\_\_\_ ;

( \_\_\_\_\_ ) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1. <u>Yoshiaki Obana</u> (SIGNATURE)	<u>Yoshiaki Obana</u> (TYPE NAME)	<u>November 6, 2000</u> (DATE)
2. <u>Kenichi Abe</u> (SIGNATURE)	<u>Kenichi Abe</u> (TYPE NAME)	<u>November 6, 2000</u> (DATE)
3. <u>Wataru Oguchi</u> (SIGNATURE)	<u>Wataru Oguchi</u> (TYPE NAME)	<u>November 6, 2000</u> (DATE)
4. <u>Kenji Yamada</u> (SIGNATURE)	<u>Kenji Yamada</u> (TYPE NAME)	<u>November 6, 2000</u> (DATE)
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