


Client Code: KITO51.001APC

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To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1. MASANORI WATANABE 2. TAKAFUMI HIRAKAWA 3. ATSUSHI MORIKAMI 4. YASUSHI NAKAMOTO</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> UBE INDUSTRIES, LTD. <b>Street Address:</b> 1978-96, O-Aza Kogushi <b>City:</b> Ube-shi <b>Prefecture:</b> Yamaguchi 755-8633 <b>Country:</b> JAPAN</p> <p>Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1. February 21, 2008 2. February 21, 2008 3. February 20, 2008 4. February 25, 2008</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 12/092,074 Filing Date: April 29, 2008</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> KITO51.001APC</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40 <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410 Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Eric M. Nelson</u> Name of Person Signing</p> <p> Signature</p> <p><u>7/27/2009</u> Date</p> <p>43,829 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

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**PATENT**  
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PATENT

ASSIGNMENTWHEREAS, I/WE (1) Masanori WATANABEa Japanese citizen, residing at c/o Polymer Laboratory (Ube), Ube Industries, Ltd.,1978-96, O-Aza Kogushi, Ube-shi, Yamaguchi 755-8633, Japan(2) Takafumi HIRAKAWAa Japanese citizen, residing at c/o Polymer Laboratory (Ube), Ube Industries, Ltd.,1978-96, O-Aza Kogushi, Ube-shi, Yamaguchi 755-8633, Japan(3) Atsushi MORIKAMIa Japanese citizen, residing at c/o Polymer Laboratory (Ube), Ube Industries, Ltd.,1978-96, O-Aza Kogushi, Ube-shi, Yamaguchi 755-8633, Japan(4) Yasushi NAKAMOTOa Japanese citizen, residing at c/o Ube Laboratory, Ube Industries, Ltd.,1978-5, O-Aza Kogushi, Ube-shi, Yamaguchi 755-8633, Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in

POLYTHIOCARBONATEPOLY(THIO)EPOXIDE

the specification of which:

- (a)  was executed on even date herewith;
- (b)  was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_  
or Express Mail No. \_\_\_\_\_ as Application No. not yet known  
and was amended on \_\_\_\_\_ (if applicable); or
- (c)  was described and claimed in PCT International Application No. PCT/JP2006/321554 filed on  
October 27, 2006 and as amended under PCT Article 19 on  
\_\_\_\_\_ (if any) and/or under PCT Article 34 on  
\_\_\_\_\_ (if any).

AND WHEREAS, UBE INDUSTRIES, LTD.

with its principal place of business at 1978-96, O-Aza Kogushi, Ube-shi, Yamaguchi 755-8633, JAPAN,  
(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and

assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 21 day of February, 2008

Masanori Watanabe  
Signature of Masanori WATANABE

This 21 day of February, 2008

Takafumi Hirakawa  
Signature of Takafumi HIRAKAWA

This 20 day of February, 2008

Atsushi Morikami  
Signature of Atsushi MORIKAMI

This 25 day of February, 2008

Yasushi Nakamoto  
Signature of Yasushi NAKAMOTO

Witnessed by:

Jeteno Yamada