

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tatsuya USUI</td> <td>03/31/2006</td> </tr> <tr> <td>Naoaki SHIMURA</td> <td>03/31/2006</td> </tr> <tr> <td>Yasushi KURATA</td> <td>03/31/2006</td> </tr> <tr> <td>Kazuhisa KURASHIGE</td> <td>03/31/2006</td> </tr> </tbody> </table>		Name	Execution Date	Tatsuya USUI	03/31/2006	Naoaki SHIMURA	03/31/2006	Yasushi KURATA	03/31/2006	Kazuhisa KURASHIGE	03/31/2006
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RECEIVING PARTY DATA											
Name:	HITACHI CHEMICAL COMPANY, LTD.										
Street Address:	1-1, Nishi-Shinjuku 2-chome, Shinjuku-ku										
City:	Tokyo										
State/Country:	JAPAN										
Postal Code:	163-0449										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11374436</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11374436						
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CORRESPONDENCE DATA											
Fax Number:	(202)822-1111										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	062082										
NAME OF SUBMITTER:	Sadao Kinashi										

OP \$40.00 11374436

Total Attachments: 1
source=062082 Assignment#page1.tif

ASSIGNMENT

Whereas, I/we,

<u>Name</u>	<u>Address</u>
1) Tatsuya USUI	c/o Yamazaki Works, HITACHI CHEMICAL COMPANY, LTD. 1380-1, Nishihara, Ashizaki, Hitachinaka-shi, Ibaraki 312-0003 Japan ----- c/o Yamazaki Works, HITACHI CHEMICAL COMPANY, LTD.
2) Naoaki SHIMURA	1380-1, Nishihara, Ashizaki, Hitachinaka-shi, Ibaraki 312-0003 Japan ----- c/o Yamazaki Works, HITACHI CHEMICAL COMPANY, LTD.
3) Yasushi KURATA	1380-1, Nishihara, Ashizaki, Hitachinaka-shi, Ibaraki 312-0003 Japan ----- c/o Yamazaki Works, HITACHI CHEMICAL COMPANY, LTD.
4) Kazuhisa KURASHIGE	1380-1, Nishihara, Ashizaki, Hitachinaka-shi, Ibaraki 312-0003 Japan ----- c/o Yamazaki Works, HITACHI CHEMICAL COMPANY, LTD.

hereinafter called assignor(s), have invented certain improvements in
SINGLE CRYSTAL HEAT TREATMENT METHOD

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on March 14, 2006, Serial No. 11/374435; and

Whereas

HITACHI CHEMICAL COMPANY, LTD.
 1-1, Nishi-Shinjuku 2-chome,
 Shinjuku-ku, Tokyo 163-0449 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/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 I/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, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/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.

INVENTORSDATE SIGNED

1):	<u>Tatsuya Usui</u>	<u>March 31, 2006</u>
Name:	Tatsuya USUI	
2):	<u>Naoaki Shimura</u>	<u>March 31, 2006</u>
Name:	Naoaki SHIMURA	
3):	<u>Yasushi Kurata</u>	<u>March 31, 2006</u>
Name:	Yasushi KURATA	
4):	<u>Kazuhisa Kurashige</u>	<u>March 31, 2006</u>
Name:	Kazuhisa KURASHIGE	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 281)