

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|--|---------------|----------------------------------|---------------------|--|------------------|------------------|----------------|-------|--------------|----------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenichiro MIYAZAWA</td> <td>08/04/2011</td> </tr> <tr> <td>Takeshi ISHIGURO</td> <td>08/04/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Kenichiro MIYAZAWA | 08/04/2011 | Takeshi ISHIGURO | 08/04/2011 | | | | |
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| Kenichiro MIYAZAWA | 08/04/2011 | | | | | | | | | | |
| Takeshi ISHIGURO | 08/04/2011 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>DAICEL CHEMICAL INDUSTRIES, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>Mainichi Intecio., 4-5, Umeda 3-chome, Kita-ku</td> </tr> <tr> <td>City:</td> <td>Osaka-shi, Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>530-0001</td> </tr> </table> | | Name: | DAICEL CHEMICAL INDUSTRIES, LTD. | Street Address: | Mainichi Intecio., 4-5, Umeda 3-chome, Kita-ku | City: | Osaka-shi, Osaka | State/Country: | JAPAN | Postal Code: | 530-0001 |
| Name: | DAICEL CHEMICAL INDUSTRIES, LTD. | | | | | | | | | | |
| Street Address: | Mainichi Intecio., 4-5, Umeda 3-chome, Kita-ku | | | | | | | | | | |
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| Postal Code: | 530-0001 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13138672</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13138672 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13138672 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (269)381-5465 Phone: 269-381-1156 Email: docket@flynnthiel.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Flynn, Thiel, Boutell & Tanis, P.C. Address Line 1: 2026 Rambling Road Address Line 4: Kalamazoo, MICHIGAN 49008-1631</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 5516.P0008US | | | | | | | | | | |
| NAME OF SUBMITTER: | Terryence F. Chapman | | | | | | | | | | |
| Total Attachments: 2 source=5516.P0008US#page1.tif source=5516.P0008US#page2.tif | | | | | | | | | | | |

OP \$40.00 13138672

United States (Sole or Joint)
(Excluding Foreign Rights)

Docket No.: _____

ASSIGNMENT

WHEREAS, I/We,

- (1) Kenichiro MIYAZAWA, a Japanese citizen, residing at c/o DAICEL CHEMICAL INDUSTRIES, LTD., 1-1, Shinko-cho, Myoko-shi, Niigata 944-8550 Japan,
- (2) Takeshi ISHIGURO, a Japanese citizen, residing at c/o DAICEL CHEMICAL INDUSTRIES, LTD., 1-1, Shinko-cho, Myoko-shi, Niigata 944-8550 Japan,

have invented certain new and useful improvements in

**METHOD OF MANUFACTURING SUBSTANCES BY SUPERCRITICAL FLUID
CHROMATOGRAPHY**

for which an application for Letters Patent was executed on August 10, 2011
_____, respectively, and

WHEREAS, DAICEL CHEMICAL INDUSTRIES, LTD. having a place of business at Mainichi Intecio., 4-5, Umeda 3-chome, Kita-ku, Osaka-shi, Osaka 530-0001 Japan, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor, in the United States and its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable considerations, the receipt whereof is hereby acknowledged, I/we have sold, assigned and transferred, and by these presents do sell, assign, transfer and confirm in and to said Assignee my/our full and exclusive right to the said invention in the United States and its territorial possessions and my/our entire right, title and interest in and to said application and any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations and extensions thereof.

I/We hereby authorize and request the Patent Office Officials in the United States to issue any and all of said Letters Patent, when granted, to said Assignee for the sole use and behoof of the said Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set my/our hand(s).

Witnessed by

Yutaka Yoshimoto

Kenji Kumata

Inventors:

Date: August 4, 2011

Kenichiro Miyazawa
Kenichiro MIYAZAWA

Takeshi Ishiguro
Takeshi ISHIGURO