

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>Kazuhiro KUROSU</td> <td>11/17/2011</td> </tr> <tr> <td>Keigo WATANABE</td> <td>11/17/2011</td> </tr> <tr> <td>Takamichi KISHI</td> <td>11/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Kazuhiro KUROSU	11/17/2011	Keigo WATANABE	11/17/2011	Takamichi KISHI	11/17/2011		
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<table border="1"> <tr> <td>Name:</td> <td>NIPPON PAPER INDUSTRIES CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>1-4-1, Oji</td> </tr> <tr> <td>City:</td> <td>Kita-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>114-0002</td> </tr> </table>		Name:	NIPPON PAPER INDUSTRIES CO., LTD.	Street Address:	1-4-1, Oji	City:	Kita-ku, Tokyo	State/Country:	JAPAN	Postal Code:	114-0002
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PROPERTY NUMBERS Total: 1											
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Application Number:	13322729										
CORRESPONDENCE DATA											
Fax Number:	(269)381-5465										
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CH \$40.00 13322729

Address Line 4: Kalamazoo, MICHIGAN 49008-1631

ATTORNEY DOCKET NUMBER:

4404.P0728US

NAME OF SUBMITTER:

Terryence F. Chapman

Total Attachments: 1

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ASSIGNMENT

WHEREAS, I/We, (1) Kazuhiro KUROSU, (2) Keigo WATANABE and
(3) Takamichi KISHI

residing at (1) and (2) Tokyo, Japan and (3) Tamano-shi, Okayama,
Japan,

have invented certain new and useful improvements in

COOKING PROCESS OF LIGNOCELLULOSE MATERIAL

for which an application for United States Letters Patent was signed
by me on even date.

WHEREAS, (1) NIPPON PAPER INDUSTRIES CO., LTD. and
(2) CHLORINE ENGINEERS CORP., LTD.

having a place of business at (1) 1-4-1, Oji, Kita-ku, Tokyo 114-
0002, Japan and (2) 35F, St. Luke's Tower 8-1, Akashicho, Chuo-ku,
Tokyo 104-0044, 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:

Kazuo Yoshikawa

Samae Ishimaru

Inventors:

Kazuhiro Kurosu November 17, 2011
Kazuhiro KUROSU

Keigo Watanabe November 17, 2011
Keigo WATANABE

Takamichi Kishi November 17, 2011
Takamichi KISHI

Date:

PATENT