

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>David J. Castro</td> <td>08/20/2013</td> </tr> <tr> <td>Rangarani Karnati</td> <td>08/12/2013</td> </tr> <tr> <td>Shawnee M. Wilson</td> <td>09/09/2013</td> </tr> <tr> <td>Weiguo Cheng</td> <td>08/15/2013</td> </tr> <tr> <td>Mei Liu</td> <td>08/13/2013</td> </tr> <tr> <td>Zhiyi Zhang</td> <td>08/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	David J. Castro	08/20/2013	Rangarani Karnati	08/12/2013	Shawnee M. Wilson	09/09/2013	Weiguo Cheng	08/15/2013	Mei Liu	08/13/2013	Zhiyi Zhang	08/13/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Ecolab USA Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1601 W. Diehl Road</td> </tr> <tr> <td>City:</td> <td>Naperville</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60563</td> </tr> </table>		Name:	Ecolab USA Inc.	Street Address:	1601 W. Diehl Road	City:	Naperville	State/Country:	ILLINOIS	Postal Code:	60563				
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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>13962569</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13962569										
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CORRESPONDENCE DATA															
Fax Number: 6303052906 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 630-305-1000 Email: lcpodman@nalco.com Correspondent Name: Ecolab USA Inc Address Line 1: 1601 W. Diehl Road Address Line 4: Naperville, ILLINOIS 60563															
NAME OF SUBMITTER:	Liana Podman														
Signature:	/Liana Podman/														

OP \$40.00 13962569

Date:

09/10/2013

Total Attachments: 4

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ASSIGNMENT

The ASSIGNOR(S), David. J. Castro, Rangarani Karnati, Shawnee M. Wilson, Weiguo Cheng, Mei Liu, Zhiyi Zhang have invented certain new and useful improvements in

**USE OF NANOCRYSTALLINE CELLULOSE AND POLYMER-GRAFTED
NANOCRYSTALLINE CELLULOSE FOR INCREASING RETENTION IN PAPER-
MAKING PROCESS**

*an invention which is fully described in United States Patent Application Serial No. 13/962,569
filed on August 8, 2013; and*

*The ASSIGNEE, ECOLAB USA INC., a DELAWARE corporation having its
principal office at 1601 West Diehl Road, in Naperville, Illinois, 60563-1198, wishes to acquire the
entire right, title and interest in and to the invention and under Letters Patent which may be
obtained for this invention.*

*For valuable and legally sufficient consideration, receipt of which is hereby acknowledged,
the Assignor(s) hereby, assigns, transfers and sets over to Assignee, its successors and assigns, the
entire right, title and interest in and to the above-identified invention and patent application and all
rights and privileges under any Letters Patent of the United States which may issue thereon.*

*The Assignor(s) also assigns, transfers and sets over to Assignee the entire right, title and
interest in and to the invention and any patent application and Letters Patent that may be granted
thereon in all countries foreign to the United States, including all rights under the International
Convention. The Assignor(s) further authorizes Assignee to apply for Letters Patent in foreign
countries in the name of Assignee, and to claim the priority of the filing date of the United States
Patent Application under the provisions of the International Convention.*

*The Assignor(s) further agrees to assist Assignee in the prosecution of the patent
application before the United States Patent Office and the Federal Courts, and any other
applications for Letters Patent including renewals, continuations, divisions, reissues and
substitutions, that the Assignee elects to make covering the invention. The Assignor(s) vests in
Assignee like exclusive title in and to all such other applications and Letters Patent. The
Assignor(s) will execute and deliver to Assignee any documents which may be requested by
Assignee to carry out the terms of this Assignment.*

The Commissioner of Patents of the United States is authorized and requested to issue any and all Letters Patent of the United States to Assignee. The Assignor(s) also authorizes and requests the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

David J. Castro
David J. Castro

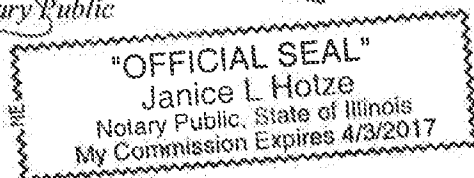
317 Augusta Avenue

DeKalb, IL 60115

STATE OF Illinois)
)ss
COUNTY OF De Kalb)

Subscribed and sworn to before me
this 20th day of August 2013.

Janice L. Hotze
Notary Public



Shawnee M. Wilson

4905 Edward Avenue

Downers Grove, IL 60515

STATE OF)
)ss
COUNTY OF)

Subscribed and sworn to before me
this _____ day of _____ 2013.

Notary Public

Rangarani Karnati
Rangarani Karnati

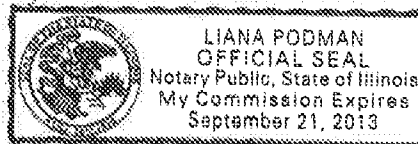
424 Verbena Court

Naperville, IL 60565

STATE OF Illinois)
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COUNTY OF De Kalb)

Subscribed and sworn to before me
this 12th day of August 2013.

Liana Podman
Notary Public



Weiguo Cheng
Weiguo Cheng

2520 Dewes Lane

Naperville, IL 60564

STATE OF)
)ss
COUNTY OF)

Subscribed and sworn to before me
this 15th day of August 2013.

Liana Podman
Notary Public

Mei Liu

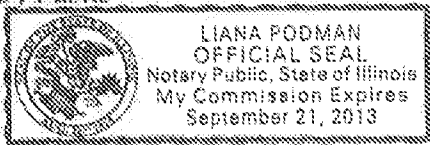
13413 Millbank Drive

Plainfield, IL 60585

STATE OF Illinois)
COUNTY OF DuPage) ss

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Liana Podman
Notary Public



Zhiyi Zhang

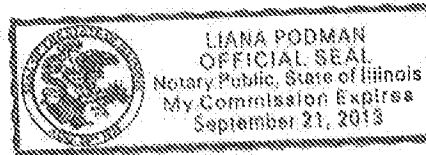
2051 Steeplebrook Court

Naperville, IL 60565

STATE OF Illinois)
COUNTY OF DuPage) ss

Subscribed and sworn to before me
this 13th day of August 2013.

Liana Podman
Notary Public



The Commissioner of Patents of the United States is authorized and requested to issue any and all Letters Patent of the United States to Assignee. The Assignor(s) also authorizes and requests the equivalent authorities in foreign countries to issue the patents of foreign countries to Assignee.

David J. Castro

317 Augusta Avenue

DeKalb, IL 60115

STATE OF)
)ss
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Subscribed and sworn to before me
this _____ day of _____ 2013.

Notary Public

Rangarani Karnati

424 Verbena Court

Naperville, IL 60565

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Notary Public

Shawnee M. Wilson

Shawnee M. Wilson

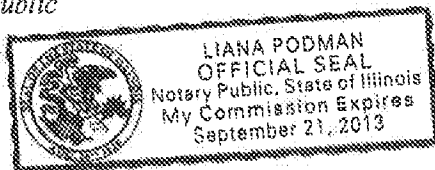
4905 Edward Avenue

Downers Grove, IL 60515

STATE OF)
)ss
COUNTY OF)

Subscribed and sworn to before me
this 9th day of September 2013.

Liana Podman
Notary Public



Weiguo Cheng

2520 Dewes Lane

Naperville, IL 60564

STATE OF)
)ss
COUNTY OF)

Subscribed and sworn to before me
this _____ day of _____ 2013.

Notary Public