PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3088100

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRADLEY BENZ	10/10/2014
PAUL F. RICHARDSON	10/13/2014
JAMES L. THOMAS	10/13/2014
MEI LIU	10/07/2014
ROBERT M. LOWE	10/07/2014

RECEIVING PARTY DATA

Name:	ECOLAB USA INC.
Street Address:	370 NORTH WABASHA STREET
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55102

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14507191

CORRESPONDENCE DATA

Fax Number: (651)204-7507

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6517955810

Email: connie.scheff@ecolab.com

Correspondent Name: ECOLAB USA INC.

Address Line 1: MAIL STOP ESC-F7, 655 LONE OAK DRIVE

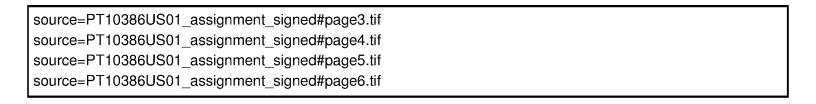
Address Line 4: EAGAN, MINNESOTA 55121

ATTORNEY DOCKET NUMBER:	PT10386US01
NAME OF SUBMITTER:	BENJAMIN E. CARLSEN
SIGNATURE:	/Benjamin E. Carlsen/
DATE SIGNED:	10/30/2014

Total Attachments: 6

source=PT10386US01_assignment_signed#page1.tif source=PT10386US01_assignment_signed#page2.tif

PATENT 503041501 REEL: 034071 FRAME: 0656



PATENT REEL: 034071 FRAME: 0657

ASSIGNMENT

WHEREAS, we, <u>Bradley Benz</u>, <u>Paul F. Richardson</u>, <u>James L. Thomas</u>, <u>Mei Liu</u>, and <u>Robert M. Lowe</u>.

made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on _October 6, 2014_which is entitled _METHOD OF INCREASING PAPER STRENGTH__.

AND WHEREAS, ECOLAB USA INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 370 North Wabasha Street, St. Paul, Minnesota 55102 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and

PATENT REEL: 034071 FRAME: 0658 vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Bradley Benz

DATE

PO Box 2373

Parker, CO 80134 U.S.

STATE OF CONTACT

),s:s

COUNTY OF DOUBLS

Subscribed and sworn to before me

this 10_day of 00\0be__2014

Notary Public

JOSHUA ALEXANDER MEANS NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20144081313 BY COMMISSION EXPIRES AUGUST 11, 2016

Attorney Docket No.: PT10386US01

0 ct /3, 20/4 DATE:

Paul F. Richardson 250 Twin Hills Drive Pittsburgh, PA 15216 U.S. STATE OF Subscribed and sworn to before me this 13 day of QCT 2014. Notary Public

COMMONWEALTH OF PENINSYLVANIA
Rotarial Seal
Angels Lurenzi, Notery Public
Bethel Park Born, Allegheny County
My Commission Explires Narch 31, 2015
REMBER, PENINSYLVANIA ASSOCIATION OF NOTABLES

3

Attorney Docket No.: PT10386US01

13 OctoBER 2014

DATE:

James L. Thomas

822 Copperfield Circle, Box 959

Heber Springs, AK 72543 U.S.

STATE OF ILL

COUNTY OF DUTAGE)

Subscribed and sworn to before me this 18 day of October 2014.

Notary Public

"OFFICIAL SEAL"
Janice L Hotze
Notary Public, State of Illinois
My Commission Expires 4/3/2017

1017/2014

DATE:

(cal
Mei Liu
13413 Millbank Drive
Plainfield, IL 60585 U.S.
STATE OF TL
COUNTY OF DiRage
Subscribed and sworn to before me this "had ay of October" 2014.
Notar Public Attack
"OFFICIAL SEAL" Janice L Hotze Notary Public, State of Illinols My Commission Expires 4/3/2017

5

Robert M. Lowe
540 West Armitage Avenue, Apt. 1E
Chicago, IL 60614 U.S.
STATE OF II
COUNTY OF INTEGE) SI
Subscribed and sworn to before me this ? day of October 2014.
Source de la lace
"OFFICIAL SEAL" Janice L Hotze Notary Public, State of Illinois My Commission Expires 4/3/2017