

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5624268

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JARED R. FREUDENBERG	03/31/2016
CHRISTOPHER D. DILLER	03/31/2016
KEVIN S. SMYTH	05/04/2016
RECEIVING PARTY DATA	
Name:	ECOLAB USA INC.
Street Address:	1 ECOLAB PLACE
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55102
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16505656
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	6124927000
Email:	ip@fredlaw.com
Correspondent Name:	FREDRIKSON & BYRON, P.A.
Address Line 1:	200 SOUTH SIXTH STREET
Address Line 2:	SUITE 4000
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	29805.315.5
NAME OF SUBMITTER:	CHARLES D. SEGELBAUM
SIGNATURE:	/Charles D. Segelbaum/
DATE SIGNED:	07/18/2019
Total Attachments: 5	
source=PT10621USC1_AssignmentExecutedAF_2019-07-18#page1.tif	
source=PT10621USC1_AssignmentExecutedAF_2019-07-18#page2.tif	
source=PT10621USC1_AssignmentExecutedAF_2019-07-18#page3.tif	

source=PT10621USC1_AssignmentExecutedAF_2019-07-18#page4.tif

source=PT10621USC1_AssignmentExecutedAF_2019-07-18#page5.tif

ASSIGNMENT

Whereas, Jared R. Freudenberg, residing at 300 Berkshire Lane North, Plymouth, MN 55441; Christopher D. Diller, residing at 8433 York Road, Bloomington, MN 55431 and Kevin S. Smyth, residing at 9725 Wellington Ridge, Woodbury, MN 55125("Assignors"), have made invention(s) for which United States and foreign patents and patent applications have been or will be filed and are identified on the attached Schedule 1;

Whereas, Ecolab USA Inc., a Delaware corporation having a place of business at 370 N. Wabasha Street, St. Paul, MN 55102-1390 ("Assignee"), desires to acquire the entire right, title and interest in and to the United States and foreign patents and patent applications identified on the attached Schedule 1 and in and to the inventions described and claimed therein (the "Patents"); and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest to the Patents including the inventions described or claimed therein, and to each U.S. and foreign patent application and patent from which the Patents claim priority to, in whole or in part, and to which the Patents claim priority; and
- (2) The entire right, title and interest to any United States or foreign patents that may issue with respect to the inventions described or claimed in the Patents;
- (3) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions of the Patents, and all foreign applications based thereon;
- (4) The right to apply for patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise; and
- (5) The right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment had not been made; together with all claims by Assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

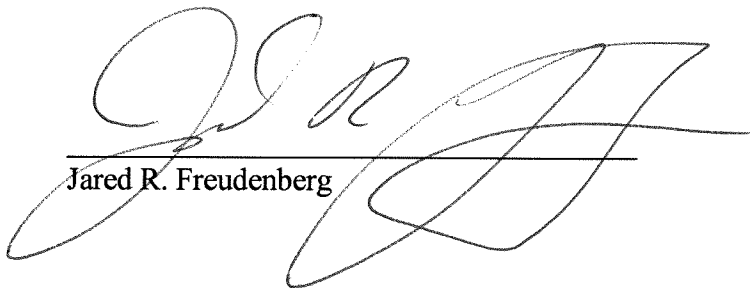
Assignor further agrees for himself and for his successors and assigns to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee, its successors and assigns may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

Assignor hereby authorizes and requests the Commissioner of Patents to issue to Assignee any patents that may be granted in accordance with this Assignment.

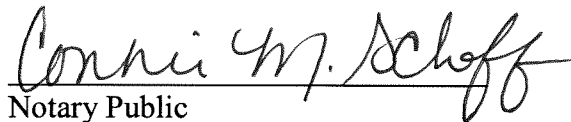
We hereby authorize attorneys associated with Customer No. 124257, of Fredrikson & Byron, P.A., of 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402-1425, to insert the application numbers, filing dates, and other identifying information on Schedule 1 when known.

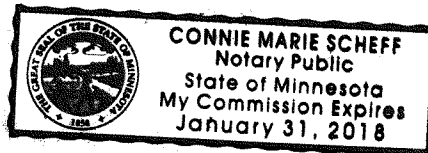
This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Date: 3/31/16


Jared R. Freudenberg

Subscribed to and sworn to before
me this 31 day of March, 2016


Notary Public



Notary Seal

Date: _____

Christopher D. Diller

Subscribed to and sworn to before
me this ____ day of _____, 2016

Notary Public

Notary Seal

Assignor hereby authorizes and requests the Commissioner of Patents to issue to Assignee any patents that may be granted in accordance with this Assignment.

We hereby authorize attorneys associated with Customer No. 124257, of Fredrikson & Byron, P.A., of 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402-1425, to insert the application numbers, filing dates, and other identifying information on Schedule 1 when known.

This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Date: _____

Jared R. Freudenberg

Subscribed to and sworn to before
me this ____ day of _____, 2016

Notary Public

Notary Seal

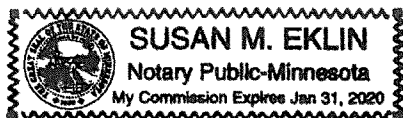
Date: 3/31/2016

Christopher D. Diller

Subscribed to and sworn to before
me this 31st day of March, 2016

Susan M. Eklin
Notary Public



Notary Seal



Date: 5/4/2016


Kevin S. Smyth

Subscribed to and sworn to before
me this ____ day of _____, 2016

Witness: Jandra T. Johnson

Witness: Dominic A. Frost


Notary Public

Notary Seal

SCHEDULE 1**US Patent Applications**

Patent App. No.	Date Filed	Title	Attorney Docket No.
62/314,644	March 29, 2016	SYSTEM AND METHODS FOR ANALYZING IMAGES OF PESTS USING A MOBILE DEVICE APPLICATION	29805.315.1
15/472,828	March 29, 2017	ANALYZING IMAGES OF PESTS USING A MOBILE DEVICE APPLICATION	29805.315.3
16/505,656	July 8, 2019	ANALYZING IMAGES OF PESTS USING A MOBILE DEVICE APPLICATION	29805.315.5

US Patents

Patent No.	Date Issued	Title

Foreign and International Patent Applications

Country	Patent App. No.	Date Filed	Title	Attorney Docket No.

Foreign Patents

Country	Patent No.	Date of Issue	Title