

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5865244

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	XIAOJIN HARRY LI	10/28/2019
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:	15228473
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>		
Email:	stalley@kaganbinder.com	
Correspondent Name:	C/O KAGAN BINDER PLLC	
Address Line 1:	221 MAIN ST N	
Address Line 2:	SUITE 200, MAPLE ISLAND BUILDING	
Address Line 4:	STILLWATER, MINNESOTA 55082	
ATTORNEY DOCKET NUMBER:	ECO0038/US (PT10504USU2)	
NAME OF SUBMITTER:	SONJA TALLEY	
SIGNATURE:	/Sonja Talley/	
DATE SIGNED:	12/12/2019	
Total Attachments: 12		
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ECOLAB INC.

FORM 10-K (Annual Report)

Filed 02/24/17 for the Period Ending 12/31/16

Address	ECOLAB CORPORATE CENTER 370 WABASHA STREET NORTH SAINT PAUL, MN 55102
Telephone	6512502587
CIK	0000031462
Symbol	ECL
SIC Code	2840 - Soap, Detergents, And Cleaning Preparations;
Industry	Business Support Services
Sector	Industrials
Fiscal Year	12/31

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-K

(Mark One)

☒ **ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the Fiscal Year Ended December 31, 2016

Commission File No. 1-9328

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from to

ECOLAB INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

41-0231510

(I.R.S. Employer Identification No.)

1 Ecolab Place, St. Paul, Minnesota

(Address of principal executive offices)

55102

(Zip Code)

Registrant's telephone number, including area code: **1-800-232-6522**

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
Common Stock, \$1.00 par value	New York Stock Exchange, Inc.
2.625% Euro Notes due 2025	New York Stock Exchange, Inc.
1.000% Euro Notes due 2024	New York Stock Exchange, Inc.

Securities registered pursuant to Section 12(g) of the Act: **None**Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. ☒ YES ☐ NOIndicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. ☐ YES ☒ NO

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. ☒ YES ☐ NO

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). ☒ YES ☐ NO

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. ☒

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting Company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting Company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☒Accelerated filer ☐Non-accelerated filer ☐Smaller reporting Company ☐

(Do not check if a smaller reporting Company)

Indicate by check mark whether the registrant is a shell Company (as defined in Rule 12b-2 of the Exchange Act). ☐ YES ☒ NO

Aggregate market value of voting and non-voting common equity held by non-affiliates of registrant on June 30, 2016: \$34,464,699,245 (see Item 12, under Part III hereof), based on a closing price of registrant's Common Stock of \$118.60 per share.

The number of shares of registrant's Common Stock, par value \$1.00 per share, outstanding as of January 31, 2017: 291,718,512 shares.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's Proxy Statement for the Annual Meeting of Stockholders to be held May 4, 2017 and to be filed within 120 days after the registrant's fiscal year ended December 31, 2016 (hereinafter referred to as "Proxy Statement") are incorporated by reference into Part III.

SUBSIDIARIES OF ECOLAB INC.

Entity Name	State or Other Jurisdiction of Incorporation
NLC Process And Water Services SARL	Algeria
Ecolab (Antigua) Ltd.	Antigua & Barbuda
Champion Technologies de Argentina S.R.L.	Argentina
Ecolab Argentina S.R.L.	Argentina
Nalco Argentina S.R.L.	Argentina
Ecolab (Aruba) N.V.	Aruba
Champion Technologies Pty. Ltd.	Australia
Ecolab (Fiji) Pty Limited	Australia
Ecolab AU2 Pty Ltd	Australia
Ecolab Pty Ltd.	Australia
Nalco Australia PTY. LTD.	Australia
Nalco Holdings Australia PTY. LIMITED	Australia
Nalco Investments Australia PTY LIMITED	Australia
Ecolab AT 2 GmbH	Austria
Ecolab GmbH	Austria
Nalco Holdings G.m.b.H.	Austria
Nalco Osterreich Ges m.b.H.	Austria
Nalco Azerbaijan LLC	Azerbaijan
Ecolab Limited	Bahamas
Ecolab Bahrain S.P.C.	Bahrain
Ecolab (Barbados) Limited	Barbados
Ecolab B.V.B.A./S.P.R.L.	Belgium
Ecolab Production Belgium B.V.B.A.	Belgium
Kay BVBA	Belgium
Nalco Belgium BVBA	Belgium
Ecolab BM 1 Limited	Bermuda
Adecom Quimica LTDA	Brazil
Champion Technologies Do Brasil Servicos E Produtos Quimicos Ltda.	Brazil
Ecolab Quimica Ltda.	Brazil
Ecolab EOOD	Bulgaria
Ecolab CDN 2 Co.	Canada
Ecolab CDN 4 ULC	Canada
Ecolab Co.	Canada
Nalco Canada ULC	Canada
Nalco CDN 2 Co.	Canada
Nalco Ultrafab ULC	Canada
Les Produits Chimiques ERPAC Inc.	Canada
Ecolab S.A.	Chile
Nalco Industrial Services Chile Limitada	Chile
Ecolab (China) Investment Co., Ltd	China
Ecolab (GZ) Chemicals Limited	China
Ecolab (Taicang) Technology Co., Ltd.	China
Ecolab Chemicals Limited	China
Changzhou Jiayou Chemical Co., Ltd.	China
Changzhou Jianghai Changjia Transportation Co., Ltd.	China
Guangzhou Green Harbour Environmental Operation Ltd.	China
Guangzhou Green Harbour Termite Control Ltd.	China
Jianghai Environmental Protection Co., Ltd.	China
Nalco (China) Environmental Solution Co. Ltd.	China
Nalco (Shanghai) Trading Co. Ltd.	China
Nalco Industrial Services (Nanjing) Co., Ltd.	China
Nalco Industrial Services (Suzhou) Co., Ltd.	China
Ecolab Colombia S. A.	Colombia
Nalco De Colombia LTDA	Colombia
Quimiproducos Colombia, S.A.S.	Colombia
Ecolab SRL	Costa Rica
Ecolab d.o.o.	Croatia

Entity Name	State or Other Jurisdiction of Incorporation
Ecolab Hygiene s.r.o.	Czech Republic
Nalco Czechia s.r.o.	Czech Republic
Calgon LLC	Delaware
Chamtech, L.L.C.	Delaware
E&M Bio-Chemicals, LLC	Delaware
Ecolab AP Holdings LLC	Delaware
Ecolab Holdings (Europe) LLC	Delaware
Ecolab Holdings Inc.	Delaware
Ecolab Investment LLC	Delaware
Ecolab Israel Holdings LLC	Delaware
Ecolab Lux Partner LLC	Delaware
Ecolab Manufacturing Inc.	Delaware
Ecolab MT Holdings LLC	Delaware
Ecolab MX Partner LLC	Delaware
Ecolab U.S. 2 Inc.	Delaware
Ecolab U.S. 3 LLC	Delaware
Ecolab U.S. 4 LLC	Delaware
Ecolab U.S. 5 Inc.	Delaware
Ecolab U.S. 6 Inc.	Delaware
Ecolab US 1 GP	Delaware
Ecolab USA Inc.	Delaware
Ecolabeight Inc.	Delaware
GCS Service, Inc.()	Delaware
Microtek Medical Inc.	Delaware
Nalco Cal Water, LLC	Delaware
Nalco Contract Operations, LLC	Delaware
Nalco China Holdings LLC	Delaware
Nalco Company LLC ()	Delaware
Nalco Crossbow Water LLC	Delaware
Nalco Delaware Company	Delaware
Nalco Energy Services Equatorial Guinea LLC	Delaware
Nalco Energy Services Middle East Holdings, Inc.	Delaware
Nalco Environmental Solutions LLC	Delaware
Nalco European Holding LLC	Delaware
Nalco Fab-Tech LLC	Delaware
Nalco Global Holdings LLC	Delaware
Nalco Holding Company	Delaware
Nalco Industrial Outsourcing Company	Delaware
Nalco International Holdings LLC	Delaware
Nalco Iraq Holding LLC	Delaware
Nalco PWS, INC.	Delaware
Nalco Receivables II LLC	Delaware
Nalco Receivables LLC	Delaware
Nalco Texas Leasing LLC	Delaware
Nalco Tiorco Middle East Holdings, LLC	Delaware
Nalco Two, INC.	Delaware
Nalco U.S. Holdings LLC	Delaware
Nalco US 1 LLC	Delaware
Nalco US I GP	Delaware
Nalco Worldwide Holdings LLC	Delaware
NALFLEET, INC.	Delaware
NALTECH, INC.	Delaware
Naperville Property, L.P.	Delaware
NDC LLC	Delaware
ONES West Africa LLC	Delaware
Process Water One	Delaware
Quantum Technical Services, LLC	Delaware

Entity Name	State or Other Jurisdiction of Incorporation
Res-Kem General Water LLC	Delaware
RES-KEM LLC	Delaware
Swisher Hygiene USA Operations, LLC	Delaware
SWSH Arizona Mfg, LLC	Delaware
TWO LLC	Delaware
Wabasha Leasing LLC	Delaware
Ecolab ApS	Denmark
Nalco Danmark APS	Denmark
Microtek Dominicana S.A.	Dominican Republic
Champion Technologies del Ecuador CIA LTDA. CHAMPIONTECH.	Ecuador
Ecolab Ecuador	Ecuador
Nalco Egypt Trading	Egypt
Nalco Egypt, LTD.	Egypt
Ecolab, S.A. de C.V.	El Salvador
Nalco Champion EG S.A.R.L.	Equatorial Guinea
Nalco Finland Manufacturing OY	Finland
Nalco Finland OY	Finland
Oy Ecolab AB	Finland
Service Tampa, LLC	Florida
Ecolab FR 1 SAS	France
Ecolab FR 2 SAS	France
Ecolab FR 3 SAS	France
Ecolab Pest France SAS	France
Ecolab Production France SAS	France
Ecolab SAS	France
Ecolab SNC	France
Europlak S.A.S.	France
Nalco France	France
Nalco France SNC	France
Shield Medicare sarl	France
Nalco Champion Gabon SARL	Gabon
Microtek Medical Holdings Inc.	Georgia
AK Kraus und Hiller Schädlingsbekämpfung GmbH	Germany
Ecolab DE 1 GmbH	Germany
Ecolab Deutschland GmbH	Germany
Ecolab Engineering GmbH	Germany
Ecolab Export GmbH	Germany
J. F. Knauer Industrie-Elektronik GmbH	Germany
Nalco Deutschland GMBH	Germany
Nalco Deutschland Manufacturing GMBH UND CO. KG	Germany
Nalco Grundbesitz GmbH & Co. KG	Germany
Nalco Manufacturing Beteiligungs GMBH	Germany
Nalco Real Estate GmbH	Germany
Nalco Champion Ghana Ltd	Ghana
Nalco Energy Services (Ghana) Limited	Ghana
Ecolab A.E.B.E.	Greece
Ecolab (Guam) LLC	Guam
Ecolab, Sociedad Anonima	Guatemala
Quimicas Ecolab S.A. de C.V.	Honduras
Ecolab Limited	Hong Kong
Ecolab Name Holding Limited	Hong Kong
Ecolab Water Holding Limited	Hong Kong
Green Harbour Mainland Holdings Ltd	Hong Kong
Nalco Hong Kong Limited	Hong Kong
Ecolab Hygiene Kft.	Hungary
Nalco Hungary Industrial Commercial LLC	Hungary
Ecolab Food Safety & Hygiene Solutions Private Limited	India
Nalco Water India Limited	India
P.T. Champion Kurnia Djaja Technologies	Indonesia
P.T. Ecolab International Indonesia	Indonesia
P.T. Nalco Champion Indonesia	Indonesia
Ecolab (Holdings) Limited	Ireland

Entity Name	State or Other Jurisdiction of Incorporation
Ecolab Finance Company Designated Activity Company	Ireland
Ecolab IE 1 Designated Activity Company	Ireland
Ecolab Limited	Ireland
Kilco Chemicals (Ireland) Designated Activity Company	Ireland
Ecolab JVZ Limited	Israel
Nalco Israel Industrial Services LTD	Israel
Ecolab Holding Italy S.r.l.	Italy
Ecolab Production Italy Srl	Italy
Ecolab Srl	Italy
Esoform Manufacturing S.R.L.	Italy
Esoform S.R.L.	Italy
Nalco Italiana Holdings S.R.L.	Italy
Nalco Italiana Manufacturing S.R.L.	Italy
Nalco Italiana Srl	Italy
Nalco Technologie Diversificate Srl	Italy
Ecolab Limited	Jamaica
Ecolab G.K.	Japan
Katayama Nalco INC.	Japan
Nalco Japan G.K.	Japan
Nalco Gulf Limited	Jersey
Ecolab East Africa (Kenya) Limited	Kenya
Ecolab Korea Ltd.	Republic of Korea
Nalco Korea Limited	Republic of Korea
Ecolab, SIA	Latvia
Nalco Libya	Libya
Ecolab LUX & Co Holdings S.C.A.	Luxembourg
Ecolab LUX 1 Sarl	Luxembourg
Ecolab LUX 2 Sarl	Luxembourg
Ecolab LUX 3 Sarl	Luxembourg
Ecolab LUX 4 Sarl	Luxembourg
Ecolab LUX 7 Sarl	Luxembourg
Ecolab Lux 9 S.a.r.l.	Luxembourg
Ecolab Lux 10 Sarl	Luxembourg
Ecolab Lux 11 Sarl	Luxembourg
Ecolab Lux 12 Sarl	Luxembourg
Ecolab LUX Sarl	Luxembourg
Nalco Luxembourg Holdings SARL	Luxembourg
Nalco Worldwide Holdings S.a.r.l./B.V.	Luxembourg
Ecolab-Importacao E. Exportacao Limitada	Macau
Chemasia Industries SDN. BHD.	Malaysia
CSC Kemico (South East Asia) SDN BHD.	Malaysia
Ecolab Sdn Bhd	Malaysia
Nalco Industrial Services Malaysia SDN. BHD	Malaysia
Ecolab MT Limited	Malta
Microtek Medical Malta Holding Limited	Malta
Microtek Medical Malta Limited	Malta
Champion Technologies Limited	Mauritius
Ecolab Holdings Mexico, S. de R. L. de C. V.	Mexico
Ecolab, S. de R.L. de C.V.	Mexico
Nalco De Mexico, S. de R. L. de C.V.	Mexico
Nalco Holdings, S.N.C. DE C.V.	Mexico
Quimiproducos, S. de R.L. de C.V.	Mexico
Nalco Gulf Response Corp.	Michigan
Ecolab Foundation	Minnesota
Ecolab Maroc Société A Responsabilité Limitée D'associé Unique	Morocco
Aseptix Professional Products B.V.	Netherlands
Champion Technologies B.V.	Netherlands
Champion Technologies Russia and Caspian B.V.	Netherlands
Chemical Innovations NL B.V.	Netherlands
Ecolab B.V.	Netherlands
Ecolab NL 10 B.V.	Netherlands
Ecolab NL 11 B.V.	Netherlands

Entity Name	State or Other Jurisdiction of Incorporation
Ecolab NL 13 B.V.	Netherlands
Ecolab NL 14 B.V.	Netherlands
Ecolab NL 15 BV	Netherlands
Ecolab NL 16 B.V.	Netherlands
Ecolab NL 17 C.V.	Netherlands
Ecolab NL 3 BV	Netherlands
Ecolab NL 4 BV	Netherlands
Ecolab Production Netherlands B.V.	Netherlands
Ecolabone B.V.	Netherlands
Ecolabtwo B.V.	Netherlands
International Water Consultant B.V.	Netherlands
Microtek Medical B.V.	Netherlands
Microtek Medical Holding B.V.	Netherlands
Nalco Dutch Holdings B.V.	Netherlands
Nalco Europe B.V.	Netherlands
Nalco Global Holdings B.V.	Netherlands
Nalco Holding B.V.	Netherlands
Nalco International Holdings B.V.	Netherlands
Nalco Netherlands BV	Netherlands
Nalco Overseas Holding B.V.	Netherlands
Nalco Russian Holding B.V.	Netherlands
Nalco Universal Holdings BV	Netherlands
Nalco Venezuela Holding B.V.	Netherlands
OWT Oil-Water Treatment Services B.V.	Netherlands
Nalco Wastewater Contract Operations, Inc.	New York
Ecolab New Zealand	New Zealand
Ecolab y Compañía Colectiva de Responsabilidad Limitada	Nicaragua
Champion Technologies (Nig) Limited	Nigeria
Nalco Associate Investment Co. LTD	Nigeria
Nalco Energy Services Nigeria Limited	Nigeria
Kay Chemical International, Inc.	North Carolina
Mobotec AB, LLC	North Carolina
Ecolab a.s.	Norway
Nalco Norge AS	Norway
Nalco Tiorco Middle East LLC	Oman
Nalco Pakistan (Private) Limited	Pakistan
Ecolab S.A.	Panama
Ecolab PNG Limited	Papua New Guinea
Nanospecialties, LLC	Pennsylvania
Champion Tecnologias del Peru S.R.L.	Peru
Ecolab Perú Holdings S.R.L.	Peru
Ecolab Philippines Inc.	Philippines
Nalco Philippines Inc.	Philippines
Ecolab Production Poland sp. z o.o.	Poland
Ecolab Services Poland Sp. z o o	Poland
Ecolab Sp. z o o	Poland
Nalco Polska Sp. z o. o.	Poland
Nalco Portuguesa (Quimica Industrial) Ltd.	Portugal
Nalco Osterreich Gesellschaft M.B.H. Belgrade, Republic of Serbia	Republic of Serbia
Ecolab s.r.l.	Romania
Service Puerto Rico 4725, LLC	Puerto Rico
Champion Technologies OOO	Russian Federation
Chemoil Service OOO	Russian Federation
Master Chemicals OOO	Russian Federation
Nalco Company OOO	Russian Federation
Nalco ZAO	Russian Federation
Nalco-Element	Russian Federation
Ondeo Nalco Energy Services (Kazan)	Russian Federation
OOO Kogalym Chemicals Plant	Russian Federation
ZAO Ecolab	Russian Federation
Ecolab (St. Lucia) Limited	Saint Lucia
Champion Arabia Ltd.	Saudi Arabia

Entity Name	State or Other Jurisdiction of Incorporation
Nalco Saudi Co. Ltd.	Saudi Arabia
Ecolab Hygiene d.o.o.	Serbia
CTI Chemicals Asia Pacific Pte. Ltd.	Singapore
Ecolab Pte. Ltd.	Singapore
Ecolab Asia Pacific Pte. Ltd.	Singapore
Nalco Asia Holding Company PTE. LTD.	Singapore
Ecolab s.r.o.	Slovakia
Ecolab d.o.o.	Slovenia
Ecolab (Proprietary) Limited	South Africa
Nalco Africa (PTY.) LTD.	South Africa
Derypol SA	Spain
Ecolab Hispano-Portuguesa S.L.	Spain
Hicopla SL	Spain
Nalco Espanola Manufacturing, S.L.U.	Spain
Nalco Española, S.L.	Spain
Nalco Holding S.L.U.	Spain
Ecolab AB	Sweden
Nalco AB	Sweden
Ecolab (Schweiz) GmbH	Switzerland
Ecolab CH 1 GmbH	Switzerland
Ecolab CH 2 GmbH	Switzerland
Ecolab CH 3 GmbH	Switzerland
Ecolab Europe GmbH	Switzerland
Nalco Schweiz GmbH (Nalco Switzerland LLC)	Switzerland
Ecolab Ltd.	Taiwan
Nalco Taiwan Co., Ltd.	Taiwan
Ecolab East Africa (Tanzania) Limited	Tanzania
Champion ES Holdings Inc.	Texas
Champion Vehicle Leasing LLC	Texas
Fresno Energy LLC	Texas
Ecolab Limited	Thailand
Nalco Industrial Services (Thailand) Co. Ltd.	Thailand
Ecolab (Trinidad and Tobago)Unlimited	Trinidad And Tobago
Ecolab Temizleme Sistemleri Limited Sirketi	Turkey
Nalco Anadolu Kimya Sanayi ve Ticaret Limited Sirketi	Turkey
Oksa Kimya Sanayi A.S.	Turkey
Ecolab East Africa (Uganda) Limited	Uganda
Ecolab LLC	Ukraine
Champion Technologies Middle East FZCO	United Arab Emirates
Ecolab Emirates General Trading LLC	United Arab Emirates
Ecolab Gulf FZE	United Arab Emirates
Calgon Europe Limited	United Kingdom
Champion Technologies Limited	United Kingdom
Ecolab (U.K.) Holdings Limited	United Kingdom
Ecolab Limited	United Kingdom
Enviroflo Engineering Limited	United Kingdom
Houseman Limited	United Kingdom
Hydrosan Limited	United Kingdom
LHS (UK) Limited	United Kingdom
Microtek Medical Europe Limited	United Kingdom
Midland Research Laboratories UK Limited	United Kingdom
Nalco Acquisition One	United Kingdom
Nalco Acquisition Two Limited	United Kingdom
Nalco Energy Services Limited	United Kingdom
Nalco Energy Services Marketing Limited	United Kingdom
Nalco Holdings UK LIMITED	United Kingdom
Nalco Investments U.K. LIMITED	United Kingdom
Nalco Limited	United Kingdom
Nalco Manufacturing Ltd.	United Kingdom
Nalco North Africa Limited	United Kingdom
Nalco Services, Ltd.	United Kingdom
NALFLOC LIMITED	United Kingdom

Entity Name	State or Other Jurisdiction of Incorporation
Shield Holdings Limited	United Kingdom
Shield Medicare Limited	United Kingdom
Shield Salvage Associates Limited (UK)	United Kingdom
Ecolab S.R.L.	Uruguay
Champion Tecnologias, C.C.A.	Venezuela
Ecolab S.A.	Venezuela
Nalco Venezuela S. C. A.	Venezuela
Ecolab Vietnam Company Limited	Vietnam

ASSIGNMENT

WHEREAS, we, Xiaojin Harry Li and Anand Parthasarathy,
made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on August 4, 2016 which is entitled Nonionic Inversion Agents For Water-In-Oil Latices And Methods Of Use.

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 the right(s) to claim priority thereto, 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 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 all 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

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.

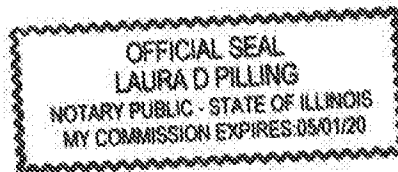
Xiaojin Harry Li
Xiaojin Harry Li

Date: 10/28/16

1043 S. Plum Tree Ln.

Palatine, IL 60067

STATE OF ILLINOIS)
COUNTY OF DUPAGE) ss



Subscribed and sworn to before me
this 28th day of OCTOBER 2016.

Laura D. Pilling
Notary Public

In situations where no notary is available, 2 witnesses may sign witnessing the inventor signature.

Witnessed by: _____

Full Name: _____

Date: _____

Witnessed by: _____

Full Name: _____

Date: _____

P. Anand
Anand Parthasarathy

Date: 11/1/2016

2139 Allegre Circle

Naperville, IL 60563

STATE OF ILLINOIS)
COUNTY OF DUPAGE)ss

Subscribed and sworn to before me
this 1 day of Nov 2016.

Notary Public

In situations where no notary is available, 2 witnesses may sign witnessing the inventor signature.

Witnessed by: Suresh R. Sri Ram
Full Name: SURESH R. SRIRAM
Date: 11-1-2016

Witnessed by: Aarthi
Full Name: AARTHI NARAYANAN
Date: 11/01/2016