505334911 02/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5381692

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HELENA ROMITO	11/19/2018
ALLISON WHITE	01/11/2019
YIHONG LI	11/19/2018
OSCAR MADALENA	11/27/2018

RECEIVING PARTY DATA

Name:	ELECTROLUX APPLIANCES AKTIEBOLAG
Street Address:	S:T GÖRANSGATAN 143
City:	STOCKHOLM
State/Country:	SWEDEN
Postal Code:	105 45

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16131757

CORRESPONDENCE DATA

Fax Number: (610)407-0701

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.

610-407-0700 Phone:

Email: shunter@ratnerprestia.com ROBERT A. ESPOSITO **Correspondent Name:** Address Line 1: **RATNERPRESTIA**

Address Line 2: 2200 RENAISSANCE BLVD., SUITE 350 Address Line 4: KING OF PRUSSIA, PENNSYLVANIA 19406

ATTORNEY DOCKET NUMBER:	ABEL-314US
NAME OF SUBMITTER:	ROBERT A. ESPOSITO, REG. NO. 65,071
SIGNATURE:	/Robert A. Esposito/
DATE SIGNED:	02/19/2019

Total Attachments: 5

source=abel-314us assignment#page1.tif source=abel-314us assignment#page2.tif

> **PATENT REEL: 048370 FRAME: 0226** 505334911

source=abel-314us assignment#page3.tif source=abel-314us assignment#page4.tif source=abel-314us assignment#page5.tif

> PATENT REEL: 048370 FRAME: 0227

COMBINED D		ION/ASSIGNMENT - Patent lication	Docket Number: ABEL-314US		
Whereas, the Assig	nor, compris	ing the following named inventors:			
A DOLONG SALA	1. Helena Romito		2.	Allison White	
ASSIGNOR(s)/ INVENTOR(s)	3. Yihon	3. Yihong Li		Oscar Madalena	
	5.		6.		
made an invention	entitled:	METHOD AND APPARATUS FOR	CLEANII	NG LAUNDRY	
for which an applica		ers Patent of the United States (the A	pplication	n):	
	he U.S. Pate	herewith nt and Trademark Office on <u>Septemt</u> n Serial No.: <u>16/131,757</u>	oer 14, 20	<u>)18,</u>	
ASSIGNEE (Full Name and Add	dress)	Electrolux Appliances Aktieboli S:t Göransgatan 143 Stockholm, Sweden 105 45	ag		

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including the Application, all divisions, continuations, and continuations-in-part thereof and non-provisional applications claiming priority thereto, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto and authorizes Assignee to file such applications for Letters Patent in the United States and any and all other countries.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument. Assignor also agrees that it will not engage, participate, or take part in any action conflicting with this Assignment, including but not limited to challenging the validity or patentability or enforceability of any patent rights relating to this invention or assisting others with such a challenge.

If any provision in this Assignment is held invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

Assignor authorizes Assignee's attorney to insert the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

REEL: 048370 FRAME: 0228

COMBINED DECLARATION/ASSIGNMENT - Patent Application

Docket Number: ABEL-314US

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	Typed or Printed	Name	Signature	Date
	1. Helena Romito		Har Rond	Nov 19th, 2018
		na kalanda da sanka kalanda ka	* Witness	
•	2. Allison White			
		NEOWNEARTH	* Witness	
	3. Yihong Li			
SIGNATURE		eriamit valorando el tradición de aproble a	* Witness	
	4. Oscar Madalena	ı		
			* Witness	
	5.			
		nd haven's the action by the same manned but the	* Witness	
	6.			<u> </u>
		·.	* Witness	4
**Assignee				
Signature_ Typed or printed	name			· · · · · · · · · · · · · · · · · · ·
Application for U	nited States Letters Pate			
Serial No.:		<u>16/131,75</u>		
Filed:			<u>r 14, 2018</u>	
Attorney Docket	Number:	ABEL-314		
Total Number of	of Assignment Pages		~	ended, mandatory for some countries ended, mandatory for some countries

Page 2 of 2 Modified 2/7/18

COMBINED DECLARATION/ASSIGNMENT - Patent Application

the material stress.

Docket Number: ABEL-314US

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	Typed or Printed	i Name Signature	Date		
	1. Helena Romito				
		* Witness			
	2. Allison White	_ au ûnd	1/11/2019		
		* Witness	***************************************		
	THE DESCRIPTION OF THE PROPERTY OF THE PROPERT	·· Wittiess	OF THE PARTY OF TH		
	3. Yihong Li				
CICNATURE		* Witness			
SIGNATURE	4 0 14	•			
	4. Oscar Madalen	a	***************************************		
		* Witness			
	A SALA ALAS AND A SALA	Withess	المناحة المناطقة الم		
	5.				
		* Witness			
		Williess	ACTION OF THE PROPERTY OF THE		
	6.				
		* Wilho and			
		* Witness			
**Assignee					
Typed of printed	Harris				
Title Date			<u> </u>		
Application for U	nited States Letters Pate	ent:			
Serial No.:		<u>16/131,757</u>			
Filed:		September 14, 2018			
Attorney Docket	Attorney Docket Number: ABEL-314US				
Total Number c	of Assignment Pages	* Witness signature recommended, mai **Assignee signature recommended, mai			
L		/ //osignoc signature recommended, mai	Page 2 of 2		

m-4-

COMBINED DECLARATION/ASSIGNMENT - Patent Application

Docket Number: ABEL-314US

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	Typed or Printed	d Name	Signature	Date
	1. Helena Romito			·
			* Witness	оннадалинициянынынаминициянынальнунун катарын каланданынынынын каланданын каланданын каланданын каланданын кал
	2. Allison White			
			* Witness	
	3. Yihong Li			11/19/2018
	3. Thong Li		Towner	11/19/2010
SIGNATURE	1977-07-07-07-07-07-01-07-11-07-11-01-01-01-01-01-01-01-01-01-01-01-01-		* Witness	
	4. Oscar Madalen	ıa		
			* Witness	
	_			namentalia (menteri deri bir idan zitro dala) Addi God-irali (alberta ibaku ilali ilali ilali ilali ilali ilal
	5.			
			ŧ	·
		»»»»	* Witness	
	6.			
			* Witness	
	<u> </u>		***************************************	
**Assignee				
Signature				
Typed or printed i	name			
Title Date		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
				Marin
Application for Un	ited States Letters Pat	ent:		
Serial No.:	mod cialoo Lollolo I al		57	
Filed:			er 14, 2018	
	orney Docket Number: ABEL-314US			•
Total Number of Assignment Pages * Witness signature recommended, mandatory for some co		nded, mandatory for some countries		
			<u> </u>	nded, mandatory for some countries
				D 0 -f 0

PATENT Page 2 of 2 Modified 2/7/18 REEL: 048370 FRAME: 0231

COMBINED DECLARATION/ASSIGNMENT - Patent Application

Docket Number: ABEL-314US

Declaration:

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	1 -опшенними	Typed or Printed	Name	Signature	Date
	1.	Helena Romito	•		
				* Witness	
	2.	Allison White	(1944) - 19 44) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (19		
		V		* Witness	
	3.	Yihong Li	(Laurent afficial for the graph of the graph	Williess	
SIGNATURE			•	* Witness	
3.3.0.1	4.	Oscar Madalena	l	On Lightle	11/27/2018
				* Witness	
	5,	,			
	,metanerterneten	wite march control of the control o	acontration of the second seco	* Witness	
	6.				
				W MARIA	Note that the second se
	L			* Witness	
**Assignee					
Signature	nama			,	
Title					
Date			······································		
Application for Lin	itad S	States Letters Pater	nt•		
Serial No.:	illeu C		16. 16/131,75	7	
			<u>r 14, 2018</u>		
			ABEL-314		
Total Number of Assignment Pages * Witness signature recommended, mandatory for some countries * Assignee signature recommended * Assignee signature recommended * Assignee signature recommended * Assignee signature reco					

PATENT Page 2 of 2

REEL: 048370 FRAME: 0232