504556137 09/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4602846

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEE KELEPOURIS	08/22/2017
SALIH MUHSIN MUHAMMED	09/14/2017
JOHAN NORDSTROM	07/20/2017
ALEXANDRU PAUNESCU	07/05/2017

RECEIVING PARTY DATA

Name:	MCNEIL AB
Street Address:	BOX 941
City:	HELSINGBORG
State/Country:	SWEDEN
Postal Code:	SE-25109

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15525633

CORRESPONDENCE DATA

Fax Number: (732)846-6630

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: 732-524-2543

Email: mturner5@its.jnj.com JOSEPH F. SHIRTZ **Correspondent Name:** Address Line 1: **JOHNSON & JOHNSON**

Address Line 2: ONE JOHNSON & JOHNSON PLAZA Address Line 4: **NEW BRUNSWICK, NEW JERSEY 08933**

ATTORNEY DOCKET NUMBER:	MAB5017USPCT
NAME OF SUBMITTER:	MARGARET TURNER, PATENT PARALEGAL
SIGNATURE:	/Margaret Turner/
DATE SIGNED:	09/20/2017

Total Attachments: 8

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PATENT REEL: 043638 FRAME: 0015 504556137

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PATENT REEL: 043638 FRAME: 0016

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention : <u>ELECTRONIC NICOTI</u> This declaration and assignment is directed to:	NE DELIVERY S	SYSTE	<u>EM</u>				
	Γhe attached or),	filed	herewith	application	of	(list	of named
:	The United States appumber PCT/EP2 November 2015.			ernational app SSN 15/52			ed on <u>17</u>
Declaration							
As the below named inventor, I hereby declar	e that:						
The above-identified application ("Application	n") was made or aut	orized l	by me.				
I believe that I am the original inventor or an	original inventor of a	claime	d invention	or discovery in	n the A	pplica	tion.
I have reviewed and understood the contents information which is material to patentability as defin of this Application in the United States of America.							
I hereby acknowledge that any willful false s or imprisonment of not more than five (5) years, or bo							1001 by fine
A corporat	MCNEIL AE (941, Helsingborg S on of the state or cou fter designated as the	E 25109 intry of	Sweden				
☐ I hereby acknowledge that I have assigned Assignee which is hereby conformed for recordation in							
or							
For good and valuable consideration, the su assigned and transferred to Assignee:	fficiency of which is	acknov	wledged, I l	nereby assign	and tra	ansfer	and/or have
my entire right, title, and interest in, to, and under the and the right to claim priority to the Application, all i United States, European Patent Office and of all other them, all such inventions or discoveries and all rights and continuations thereof, and to all Letters Patent extensions, supplementary protection certificates, reex for its own use and enjoyment to the full end of the teas the same would have been held and enjoyed by me	nventions or discove r countries, which m in such Application that may be grante aminations, renewals rm or terms for whice	ries ther ay be gr includin d for sa s, and re h such l	ein disclose ranted for su g any and a aid inventio sissues there Letters Pater	d, and any and ich inventions II provisionals ins and discovor, to be held int may be grain.	d all Lo or dises, substances, eries, and en	etters I coverie titution and in joyed l	Patent of the es, or any of as, divisions, and to all by Assignee
I shall execute all papers necessary in connection wit Patent Office, any other patent offices, and under applications thereof, any reexamination of any of st certificates of any such applications and also to exec may deem necessary or expedient.	the Patent Cooperach applications, and	ntion Tr any pa	reaty, and a tent term e	any continuin xtensions or s	g, div: supple:	isional, nentar	, or reissue y protection

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PATENT

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Lu Lelen	2017 Aug 22	
Signature	Date	

Lee Kelepouris

LEGAL NAME OF INVENTOR

COMBINED DECLARATION AND ASSIGNMENT

The United States application or PCT international application number PCT/EP2015/076883 (USSN 15/525633) filed on 17 November 2015. Declaration As the below named inventor, I hereby declare that: The above-identified application ("Application") was made or anthorized by me. I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application. I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for fillings of this Application in the United States of America. 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 for fillings of this Application in the United States of America. Assignment MCNEIL AB Box 941, Helsingborg SE 25109 A corporation of the state or country of Sweden (therimafre designated as the "Assignee"). I hereby acknowledge that 1 have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer and/or have assigned and transferred to Assignee: or For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee: my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries, and in all letters Patent of the United States. European Patent Office and of all other countries, which may be granted for such inventions or discoveries, and in an and to all extensions, supplementary protection certificates, reevanimationing, reveaks, and t	Title of Invention : <u>ELECTRONIC N</u> This declaration and assignment is directed to		ELIVERY	Y SYSTE	<u>EM</u>				
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I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Salih Muhsin Muhammed LEGAL NAME OF INVENTOR

Signature

Date

ESP14

COMBINED DECLARATION AND ASSIGNMENT

The United States application or PCT international application number PCT/EP2015/076883 (USSN 15/525633) filed on 17 November 2015. Declaration As the below named inventor, I hereby declare that: The above-identified application ("Application") was made or anthorized by me. I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application. I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for fillings of this Application in the United States of America. 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 for fillings of this Application in the United States of America. Assignment MCNEIL AB Box 941, Helsingborg SE 25109 A corporation of the state or country of Sweden (therimafre designated as the "Assignee"). I hereby acknowledge that 1 have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer and/or have assigned and transferred to Assignee: or For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee: my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries, and in all letters Patent of the United States. European Patent Office and of all other countries, which may be granted for such inventions or discoveries, and in an and to all extensions, supplementary protection certificates, reevanimationing, reveaks, and t	Title of Invention : <u>ELECTRONIC N</u> This declaration and assignment is directed to		ELIVERY	Y SYSTE	<u>EM</u>				
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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Than Horst

<u> 2017 - 07 - 20</u> Date

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: ELECT This declaration and assignment is	TINE DELIVERY SYSTEM The attached or filed herewith application of (list of named inventors),
	The United States application or PCT international application number <u>PCT/EP2015/076883 (USSN 15/525633)</u> filed on <u>17 November 2015</u> .
Declaration	

As the below named inventor, I hereby declare that:

The above-identified application ("Application") was made or authorized by me.

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.

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Assignment

or

MCNEIL AB

Box 941, Helsingborg SE 25109 A corporation of the state or country of **Sweden** (hereinafter designated as the "Assignee"),

	I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee
which is	hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:

my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

PATENT -

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Llexandru Paunescu EGAL NAME OF INVENTOR	
Alla	05-702-2017
ignature	Date