

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI29324

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	Impel Pharmaceuticals Inc.	02/09/2024
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	JN Bidco LLC	
<b>Street Address:</b>	Metro Medical Center 1995 Carr. #2	
<b>Internal Address:</b>	Ste. 3001	
<b>City:</b>	Bayamon	
<b>State/Country:</b>	PUERTO RICO	
<b>Postal Code:</b>	00959	
<b>PROPERTY NUMBERS Total: 29</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16198312
	Application Number:	17835256
	Application Number:	16875906
	Application Number:	18482856
	Application Number:	17148154
	Application Number:	17420640
	Application Number:	16240563
	Application Number:	17574511
	Application Number:	18357927
	Application Number:	16517423
	Application Number:	17682033
	Application Number:	18313330
	Application Number:	15338097
	Application Number:	16664588
	Application Number:	14017048
	Application Number:	18346244
	Application Number:	15759447
	Application Number:	18538917
	Application Number:	17062364

PATENT

Property Type	Number
Application Number:	17492136
Application Number:	16198403
Application Number:	15890266
Application Number:	15844474
Application Number:	17164371
Application Number:	18505101
Application Number:	14075126
Application Number:	17498381
Application Number:	14787455
Application Number:	16695147

**CORRESPONDENCE DATA**

**Fax Number:**

*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:** 6167522479

**Email:** patents@wnj.com

**Correspondent Name:** Scott Keller

**Address Line 1:** 150 Ottawa Ave. NW

**Address Line 2:** Suite 1500

**Address Line 4:** Grand Rapids, MICHIGAN 49503

**ATTORNEY DOCKET NUMBER:** 185275.185275

**NAME OF SUBMITTER:** Julie Dawes

**SIGNATURE:** Julie Dawes

**DATE SIGNED:** 02/15/2024

**Total Attachments: 27**

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INTELLECTUAL PROPERTY ASSIGNMENT

This INTELLECTUAL PROPERTY ASSIGNMENT (this "Assignment") is made as of February 9, 2024, (the "Effective Date") by and between JN Bidco LLC, a Puerto Rico limited liability company ("Purchaser"), and Impel Pharmaceuticals Inc., a Delaware corporation ("Seller").

WHEREAS, Seller and Purchaser are parties to that certain Asset Purchase Agreement, dated as of December 18, 2023 (the "Purchase Agreement"); and

WHEREAS, as reflected in the Purchase Agreement, Seller desires to sell to Purchaser, and Purchaser desires to purchase from Seller all Intellectual Property (as defined below) owned or control by Seller and Seller has agreed to execute and deliver this Assignment.

NOW, THEREFORE, the parties agree as follows:

1. Assignment. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller agrees to assign and does hereby irrevocably assign, grant, convey and transfer to Purchaser, and Purchaser hereby accepts, all of Seller's right, title and interest in and to all Intellectual Property owned by Seller, including, but not limited to, those items set forth below (collectively, the "Assigned Intellectual Property"). "Intellectual Property" means any and all intellectual property and proprietary rights in any jurisdiction throughout the world, including rights arising from the following: (i) patents and patent applications, design rights, industrial design registrations and applications therefor, divisions, continuations, continuations-in-part, reissues, substitutes, renewals, registrations, confirmations, reexaminations, extensions and any provisional applications, and any foreign or international equivalent of any of the foregoing; (ii) trademarks (whether registered, unregistered or applied for), service marks, trade dress, service names, trade names, brand names, product names, slogans, logos, business names, corporate names, and other source or business identifiers, all registrations and applications for registration thereof, and, in each case, together with all of the goodwill associated therewith; (iii) works of authorship, copyrights and all registrations and applications for registration thereof; (iv) trade secrets and know-how; (v) rights in formulae, methods, techniques, processes, assembly procedures, software, software code (in any form, including source code and executable or object code), subroutines, test results, test vectors, user interfaces, protocols, schematics, specifications, drawings, prototypes, molds and models, and other forms of technology (whether or not embodied in any tangible form and including all tangible embodiments of the foregoing), and (vi) social media accounts, social media identifiers, and internet domain name registrations.

(a) the trademark registrations and applications and all other corresponding rights at common law or otherwise, set forth on Schedule I hereto and all issuances, extensions, and renewals thereof (the "Trademarks"), together with the goodwill of the business connected with the use of, and symbolized by, the Trademarks;

(b) the Domain Names set forth on Schedule II hereto (the "Domain Names");

(c) the patents and patent applications set forth on Schedule III hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, and renewals thereof (the "Patents");

(d) all rights of any kind whatsoever of Seller accruing under any of the Assigned Intellectual Property provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;

(e) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the Assigned Intellectual Property; and

(f) any and all claims and causes of action with respect to any of the Assigned Intellectual Property, whether accruing before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Terms of the Purchase Agreement. The parties hereto acknowledge and agree that this Assignment is entered into pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Seller and Purchaser with respect to the Assigned Intellectual Property. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern.

3. Recordation and Further Actions. Seller does hereby irrevocably appoint Purchaser and its successors and assigns as Seller's true and lawful attorney in fact solely to, and hereby authorizes Purchaser to: (i) execute on behalf of Seller all instruments, documents, and the like required to transfer the Assigned Intellectual Property to Purchaser and its successors and assigns; and (ii) do all acts and things necessary in furtherance of such purpose. Such power of attorney being coupled with an interest shall be irrevocable. Seller hereby authorizes the Commissioner for Trademarks in the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Assignment upon request by Purchaser. Seller further covenants that from time to time after the Effective Date, Seller will do such further acts and execute and deliver such further documents regarding its obligations hereunder as may be reasonably required for the purpose of accomplishing this Assignment. Seller will take such steps as are reasonably necessary to transfer the Domain Names to Purchaser, including (a) unlocking the domain with the applicable registrar, (b) obtaining an authorization code for the transfer of the Domain Names from the applicable registrar, and (c) notifying Purchaser of the completion of part (a) and (b) and providing such authorization code to Purchaser ("Initiation Notification"). Purchaser shall promptly complete the transfer upon its receipt of the Initiation Notification.

4. Counterparts. This Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same agreement. A signed copy of this Assignment delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as the delivery of an original signed copy of this Assignment.

5. Successors and Assigns. This Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

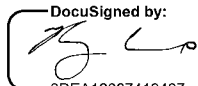
6. Governing Law. This Assignment and any claim, controversy, or dispute arising under or related to this Assignment or the relationship of the parties shall be governed by and construed in accordance with the domestic laws of the State of Delaware without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than the State of Delaware. Each party agrees that any claim, controversy, or dispute arising under or related to this Assignment shall be subject to and resolved in accordance with the Purchase Agreement.

[Signature Page Follows]

**IN WITNESS WHEREOF**, the undersigned have executed and delivered this Assignment as of the Effective Date.

**PURCHASER:**

JN Bidco LLC

By:  \_\_\_\_\_  
Name: Ray Canole  
Title: Authorized Signatory

**SELLER:**

Impel Pharmaceuticals Inc.

By: \_\_\_\_\_  
Name:  
Title:

**IN WITNESS WHEREOF**, the undersigned have executed and delivered this Assignment as of the Effective Date.

**PURCHASER:**

JN Bidco LLC

By: \_\_\_\_\_  
Name:  
Title:

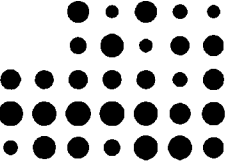
**SELLER:**

Impel Pharmaceuticals Inc.

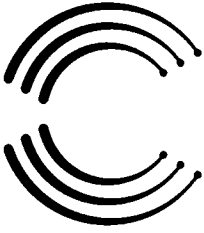
By: *Leonard Padillo* \_\_\_\_\_  
Name:  
Title:

Schedule I  
Trademark

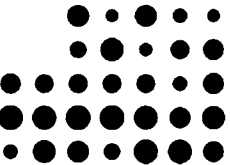
Trademark Registrations and Pending Applications

Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
	<p align="center">United States (Federal)</p>	<p>Application pending publication, June 28, 2023 Office Status: First Extension - Granted Filed: April 5, 2022 Register Type: Principal Register</p>	<p align="center">SN: 97347411</p>	<p>Int'l Class: 05, 10, 35, 42, 44 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of disorders of the central nervous system; Pharmaceutical preparations for the treatment and alleviation of migraine headaches; Pharmaceutical preparations for the treatment and alleviation of agitation and aggression; Pharmaceutical preparations for the treatment and alleviation of Parkinson's disease (Int'l Class: 10) Drug delivery systems, namely, inhalers for medical use; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems being inhalers for medical use; nasal, respiratory, and sinus drug delivery devices and parts therefor, namely, inhalers for medical use (Int'l Class: 35) Providing information regarding patient assistance programs, namely, discount programs for enabling participants to obtain discounts on prescription drugs through enrollment with participating pharmacies (Int'l Class: 42) Biomedical research services; Research and development of new products for medicinal use for others; Development and testing of pharmaceutical products and drug delivery technology; Consulting services in the fields of biotechnology, pharmaceutical research and development, laboratory testing, diagnostics, and pharmacogenetics; Pharmaceutical drug development; Drug development services in the fields of developing drug dosage and drug dosage form, drug delivery technologies, drug analytical methods, drug manufacturing research, drug packaging design, drug labeling design, and drug stability evaluations, storage design, and testing (Int'l Class: 44) Providing information regarding patient assistance programs, namely, information relating to diagnostic and therapeutic properties of pharmaceuticals and dispensing pharmaceuticals and medical treatment</p>



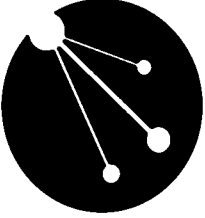
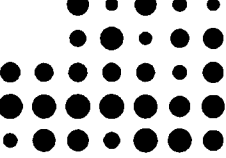
Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
<u>POD</u>	United States (Federal)	Registered, March 20, 2018 Office Status: Registered Int'l Class: 10 First Use: April 13, 2014 Filed: January 3, 2017 Registered: March 20, 2018 Register Type: Principal Register	RN: 5425969 SN: 87288146	Int'l Class: 10 (Int'l Class: 10) Drug delivery systems; Dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; Dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; Nasal, respiratory, and sinus drug delivery devices and parts therefor
<u>TRUDHESA</u>	United States (Federal)	Registered, March 1, 2022 Office Status: Registered Int'l Class: 05 First Use: September 15, 2021 Filed: August 14, 2019 Registered: March 1, 2022 Register Type: Principal Register	RN: 6660150 SN: 88578186	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches
	United States (Federal)	Registered, April 5, 2022 Office Status: Registered Int'l Class: 05 First Use: September 15, 2021 Filed: January 21, 2020 Registered: April 5, 2022 Register Type: Principal Register	RN: 6694745 SN: 88768014	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches
<u>TRUDHESA</u>	United States (Federal)	Registered, November 22, 2022 Office Status: Registered Int'l Class: 35, 44 First Use: September 21, 2021 Filed: August 16, 2021 Registered: November 22, 2022 Register Type: Principal Register	RN: 6908531 SN: 90885069	Int'l Class: 35, 44 (Int'l Class: 35) providing information regarding patient assistance programs, namely, discount programs for enabling participants to obtain discounts on prescription drugs through enrollment with participating pharmacies (Int'l Class: 44) providing information regarding patient assistance programs, namely, information relating to diagnostic and therapeutic properties of pharmaceuticals and dispensing pharmaceuticals and medical treatment
<u>IMPEL</u>	United States (Federal)	Registered, December 8, 2023 Office Status: Section 8 & 15-Accepted and Acknowledged Int'l Class: 10, 42	RN: 5246085 SN: 87279985	Int'l Class: 10, 42 (Int'l Class: 10) Drug delivery systems; Dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and

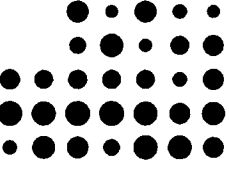
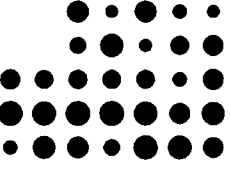
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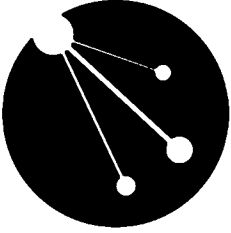
Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
		First Use: May 3, 2009 Filed: December 23, 2016 Registered: July 18, 2017 Register Type: Principal Register		systems; Dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; Nasal, respiratory, and sinus drug delivery devices and parts therefor (Int'l Class: 42) Biomedical research services; Research and development of new products for medicinal use for others; Development and testing of pharmaceutical products and drug delivery technology; Consulting services in the fields of biotechnology, pharmaceutical research and development, laboratory testing, diagnostics, and pharmacogenetics; Pharmaceutical drug development; Drug development services in the fields of drug dosage and drug dosage form, drug delivery technologies, drug analytical methods, drug manufacturing, drug packaging, drug labeling, and drug stability, storage, and testing
TRUDHESA	Canada	Canada Filed Pending Application Last Status Received: Pending Application, March 4, 2020 Office Status: Formalized Filed: February 12, 2020	AN: 2011118	Int'l Class: 05 (Int'l Class: 05) Goods: Pharmaceutical preparations for the treatment and alleviation of migraine headaches
IMPELLPOD	Canada	Canada Filed Pending Application Last Status Received: Pending Application, July 2, 2020 Office Status: Formalized Filed: July 2, 2020	AN: 2037728	Int'l Class: 10 (Int'l Class: 10) Goods: Nasal drug delivery device, namely, a handheld medical device that allows patients to inhale medication nasally; Dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, handheld dispensers for use in dispensing pre-determined dosages of medication intranasally.
	Canada	Canada Filed Pending Application Last Status Received: Pending Application, November 16, 2022 Office Status: Formalized Filed: October 4, 2022 Expiration Date: October 4, 2032	AN: 2222811	Int'l Class: 05, 10, 35, 42, 44 (Int'l Class: 05) Goods: Pharmaceutical preparations; pharmaceutical preparations for the treatment and alleviation of disorders of the central nervous system; pharmaceutical preparations for the treatment and alleviation of migraine headaches; pharmaceutical preparations for the treatment and alleviation of agitation and aggression; pharmaceutical preparations for the treatment and alleviation of parkinson's disease.

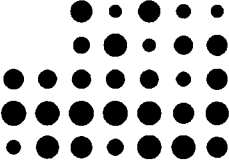
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Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
<p><u>IMPEL</u></p>	<p>Canada</p>	<p>Canada Registered Last Status Received: Registered, October 27, 2020 Office Status: Registered Filed: June 23, 2017 Registered: October 27, 2020 Expiration Date: October 27, 2030</p>	<p>RN: TMA1086254 AN: 1844268</p>	<p>(Int'l Class: 10) Goods: Drug delivery systems, dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems, dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor. (Int'l Class: 35) Services: Providing information regarding patient assistance programs, namely, discount programs for prescription drugs. (Int'l Class: 42) Services: Biomedical research services; research and development of new products for medicinal use for others; development and testing of pharmaceutical products and drug delivery technology; consulting services in the fields of biotechnology, pharmaceutical research and development, laboratory testing, diagnostics, and pharmacogenetics; pharmaceutical drug development, drug development services in the fields of drug dosage and drug dosage form, drug delivery technologies, drug analytical methods, drug manufacturing, drug packaging, drug labeling, and drug stability, storage, and testing. (Int'l Class: 44) Services: Providing information regarding patient assistance programs to provide pharmaceuticals and medical treatment.</p> <p>(Int'l Class: 10, 42, 44 (Int'l Class: 10) Goods: Nasal drug delivery device, namely, a handheld medical device that allows patients to inhale medication nasally; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, handheld dispensers for use in dispensing pre-determined dosages of medication intranasally. (Int'l Class: 42) Services: Biomedical research services; research and development of new products for medicinal use for others; development and testing of pharmaceutical products and drug delivery technology; consulting services in the fields of scientific biotechnological research, pharmaceutical research and development, laboratory testing of materials, and pharmacogenetics, excluding services in the field of cardiology; pharmaceutical drug development; drug development services in the fields of drug dosage and drug dosage form, drug delivery technologies, drug analytical</p>

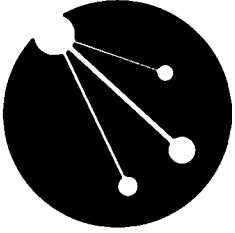
Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
	Canada	Canada Registered Last Status Received: Registered, February 18, 2021 Office Status: Registered Filed: June 23, 2017 Registered: February 18, 2021 Expiration Date: February 18, 2031	RN: TMA1093962 AN: 1844270	Int'l Class: 10, 42, 44 (Int'l Class: 10) Goods: Nasal drug delivery device, namely, a handheld device that allows patients to inhale medication nasally; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, handheld dispensers for use in dispensing pre-determined dosages of medication intranasally; (Int'l Class: 42) Services: Biomedical research services; research and development of new products for medicinal use for others; development and testing of pharmaceutical products and drug delivery technology; consulting services in the fields of scientific biotechnological research, pharmaceutical research and development; laboratory testing of materials; and pharmacogenetics; pharmaceutical drug development; drug development services in the fields of drug dosage and drug dosage form, drug delivery technologies, drug analytical methods, drug manufacturing, drug packaging; drug labeling, and drug stability, storage and testing; (Int'l Class: 44) Services: Consulting services in the field of medical diagnostic services;
	Mexico	Mexico Published Last Status Received: Published Filed: October 4, 2022	AN: M2854278	Int'l Class: 44 (Translation) (Int'l Class: 44) provision of information on patient assistance programs to supply pharmaceutical products and medical treatments.

Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
	Mexico	Mexico Published Last Status Received: Published Filed: October 4, 2022	AN: M2854274	Int'l Class: 05 (Translation) (Int'l Class: 05) pharmaceutical preparations; pharmaceutical preparations for the treatment and alleviation of disorders of the central nervous system; pharmaceutical preparations for the treatment and relief of migraine headaches; pharmaceutical preparations for the treatment and alleviation of agitation and aggressiveness; Pharmaceutical preparations for the treatment and alleviation of Parkinson's disease.
	Mexico	Mexico Published Last Status Received: Published Filed: October 4, 2022	AN: M2854275	Int'l Class: 10 (Translation) (Int'l Class: 10) drug release systems; medicament dosing aids and apparatuses, namely, drug delivery systems and systems; aids and apparatus for dosing medicaments, in particular for medicaments in liquid form and in granulated form, namely, machines for administering predetermined doses of medicaments; respiratory, nasal and sinus devices for the administration of drugs and their parts.
<u>IMPEL</u>	Mexico	Mexico Registered Last Status Received: Registered Filed: June 22, 2017 Registered: November 18, 2022 Expiration Date: June 22, 2027	RN: 2477867 AN: M1934521	Int'l Class: 10 (Translation) (Int'l Class: 10) drug release systems; medicament dosing aids and apparatuses, namely, drug delivery systems and systems; aids and apparatus for dosing medicaments, in particular for medicaments in liquid form and in granulated form, namely, machines for administering predetermined doses of medicaments; respiratory, nasal and sinus devices for drug administration.
<u>IMPELPOD</u>	Mexico	Mexico Registered Last Status Received: Registered Filed: September 13, 2018 Registered: November 17, 2023 Expiration Date: September 13, 2028	RN: 2627198 AN: M2099268	Int'l Class: 10 (Translation) (Int'l Class: 10) drug release systems; medicament dosing aids and apparatuses, namely, drug delivery systems and systems; aids and apparatus for dosing medicaments, in particular for medicaments in liquid form and in granulated form, namely, machines for administering predetermined doses of medicaments; respiratory, nasal and sinus devices for the administration of drugs.

Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
TRUDHESA	Mexico	Mexico Registered Last Status Received: Registered Filed: February 12, 2020 Registered: October 5, 2020 Expiration Date: February 12, 2030	RN: 2152309 AN: M2329211	Intl Class: 05 (Translation) Intl Class: 05) Pharmaceutical preparations for the treatment and relief of migraines and headaches.
POD	International	International (AU, CN, EM, GB, IN, JP, KR, MX) Registered Last Status Received: Registered, January 29, 2018 Registered: June 23, 2017 Expiration Date: June 23, 2027	RN: 1361766	Intl Class: 10 (Intl Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor.
	International	International (AU, CN, EM, GB, IN, JP, KR, and MX) Registered Last Status Received: Registered, October 1, 2019 Registered: June 23, 2017 Expiration Date: June 23, 2027	RN: 1362565	Intl Class: 10 (Intl Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor.
IMPTEL	International	International (AT, AU, CN, EM, GB, IN, JP, KR, and MX) Registered Last Status Received: Registered, February 3, 2023 Registered: June 22, 2017 Expiration Date: June 22, 2027	RN: 1361080	Intl Class: 10 (Intl Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor.

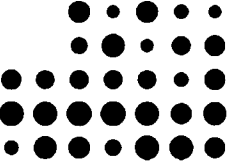

Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
	International	International (AU, CA, CN, EM, GB, JP, KR, and MX) Registered Last Status Received: Registered, April 6, 2023 Registered: October 4, 2022 Expiration Date: October 4, 2032	RN: 1696890	Int'l Class: 05, 10, 35, 42, 44 (Int'l Class: 05) Pharmaceutical preparations; pharmaceutical preparations for the treatment and alleviation of disorders of the central nervous system; pharmaceutical preparations for the treatment and alleviation of migraine headaches; pharmaceutical preparations for the treatment and alleviation of agitation and aggression; pharmaceutical preparations for the treatment and alleviation of parkinson's disease. (Int'l Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor. (Int'l Class: 35) Providing information regarding patient assistance programs, namely, discount programs for prescription drugs. (Int'l Class: 42) Biomedical research services; research and development of new products for medicinal use for others; development and testing of pharmaceutical products and drug delivery technology; consulting services in the fields of biotechnology, pharmaceutical research and development, laboratory testing, diagnostics, and pharmacogenetics; pharmaceutical drug development; drug development services in the fields of drug dosage and drug dosage form, drug delivery technologies, drug analytical methods, drug manufacturing, drug packaging, drug labeling, and drug stability, storage, and testing. (Int'l Class: 44) Providing information regarding patient assistance programs to provide pharmaceuticals and medical treatment.
<u>IMPEL</u>	United Kingdom	United Kingdom Registered Last Status Received: Registered, January 23, 2018 Filed: June 22, 2017 Registered: January 23, 2018 Expiration Date: June 22, 2027	AN: UK00801361080	Int'l Class: 10 (Int'l Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor.

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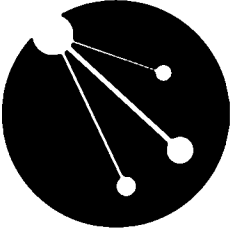
Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
	United Kingdom	United Kingdom Registered Last Status Received: Registered, January 26, 2018 Filed: June 23, 2017 Registered: January 26, 2018 Expiration Date: June 23, 2027	AN: UK00801361766	Int'l Class: 10 (Int'l Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor.
TRUDHESA	United Kingdom	United Kingdom Registered Last Status Received: Registered, June 13, 2020 Filed: February 12, 2020 Registered: June 13, 2020 Expiration Date: February 12, 2030	AN: UK00913194677	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches.
TRUDHESA	United Kingdom	United Kingdom Registered Last Status Received: Registered, August 08, 2020 Filed: February 12, 2020 Registered: August 8, 2020 Expiration Date: February 12, 2030	AN: UK000003466091	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches.
TRUDHESA	European Union	European Union Registered Last Status Received: Registered, June 16, 2020 Filed: February 12, 2020 Registered: June 13, 2020 Expiration Date: February 12, 2030	RN: 018194677 AN: 018194677	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches.

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Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
	Australia	Australia Registered Last Status Received: Registered Office Status: Protected: Registered/protected Filed: October 4, 2022 Registered: October 4, 2022 Intl Reg Date: October 4, 2022 Expiration Date: October 4, 2032	RN: 2315410 AN: 2315410	Intl Class: 05, 10, 35, 42, 44 (Intl Class: 05) Pharmaceutical preparations; pharmaceutical preparations for the treatment and alleviation of disorders of the central nervous system; pharmaceutical preparations for the treatment and alleviation of migraine headaches; pharmaceutical preparations for the treatment and alleviation of agitation and aggression; pharmaceutical preparations for the treatment and alleviation of parkinson's disease. (Intl Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor. (Intl Class: 35) Providing information regarding patient assistance programs, namely, discount programs for prescription drugs. (Intl Class: 35) (Intl Class: 42) Biomedical research services; research and development of new products for medicinal use for others; development and testing of pharmaceutical products and drug delivery technology; consulting services in the fields of biotechnology, pharmaceutical research and development, laboratory testing, diagnostics, and pharmacogenetics; pharmaceutical drug development; drug development services in the fields of drug dosage and drug dosage form, drug delivery technologies, drug analytical methods, drug manufacturing, drug packaging, drug labeling, and drug stability, storage, and testing. (Intl Class: 44) Providing information regarding patient assistance programs to provide pharmaceuticals and medical treatment.
	Australia	Australia Registered Last Status Received: Registered Office Status: Registered: Registered/protected Filed: September 13, 2019 Registered: September 13, 2019 Expiration Date: September 13, 2029	RN: 2037078 AN: 2037078	Intl Class: 10 (Intl Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor

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Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
<u>POD</u>	Australia	Australia Registered Last Status Received: Registered Office Status: Protected Registered/protected Filed: June 23, 2017 Registered: June 23, 2017 Int'l Reg Date: June 23, 2017 Expiration Date: June 23, 2027	RN: 1868238 AN: 1868238	Int'l Class: 10 (Int'l Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor
<u>TRUDHESA</u>	Australia	Australia Registered Last Status Received: Registered Office Status: Registered Registered/protected Filed: February 12, 2020 Registered: February 12, 2020 Expiration Date: February 12, 2030	RN: 2068247 AN: 2068247	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches
	Australia	Australia Registered Last Status Received: Registered Office Status: Protected Registered/protected Filed: June 23, 2017 Registered: June 23, 2017 Int'l Reg Date: June 23, 2017 Expiration Date: June 23, 2027	RN: 1869972 AN: 1869972	Int'l Class: 10 (Int'l Class: 10) Drug delivery systems; dosing aids and apparatus for medicines, namely, drug delivery and dispensing devices and systems; dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication; nasal, respiratory, and sinus drug delivery devices and parts therefor
<u>IMPELLPOD</u>	China	China Registered Last Status Received: Registered Office Status: 商标注册申请 - 申请 收文 - 结束 Filed: August 14, 2018 Registered: April 28, 2019 Expiration Date: April 27, 2029	RN: 32866749 AN: 32866749-10	Int'l Class: 10 (Int'l Class: 10) Medical apparatus and instruments, Medical aerosol dispenser, Promote drug inhalation of medical apparatus and instruments, The pharmaceutical preparations import medical instrument of the body, Inhalers, Insuffiators,
<u>英倍尔</u>	China	China Registered	RN: 25444110 AN: 25444110-10	Int'l Class: 10 (Int'l Class: 10)

Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
		Last Status Received: Registered Office Status: 商标注册申请 - 申请 收文 - 结束 Filed: July 21, 2017 Registered: July 21, 2018 Expiration Date: July 20, 2028		Medical aerosol dispenser , Medical apparatus and instruments , Promote drug inhalation of medical apparatus and instruments , The pharmaceutical preparations import medical instrument of the body , Inhalers , Insufflators ,
TRUDHESA	China	China Registered Last Status Received: Registered Office Status: 商标注册申请 - 申请 收文 - 结束 Filed: February 13, 2020 Registered: October 21, 2020 Expiration Date: October 20, 2030	RN: 44059589 AN: 44059589-5	Int'l Class: 05 (Int'l Class: 05) Migraine pain treatment and pharmaceutical preparations ,
TRUDHESA	India	India Registered Last Status Received: Registered Filed: February 14, 2020 Registered: November 2, 2020 Expiration Date: February 14, 2030	AN: 4441189	Int'l Class: 05 (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches
IMPELLPOD	Japan	Japan Registered Last Status Received: Registered, May 10, 2019 Filed: June 4, 2018 Registered: May 10, 2019 Expiration Date: May 10, 2029	RN: 6142856 AN: 2018-073552	Int'l Class: 10 (Translation) (Int'l Class: 10) Medical devices for transporting drugs into the body, medical aids and devices for dispensing fixed doses of drugs, medical devices for transporting and distributing drugs into the body, drugs in liquid and granular form Medical aids and devices for the dispensing of medicines, medical devices for the delivery of medicaments of a predetermined volume, medicines for the delivery of nasal / respiratory and sinus medications Equipment and parts thereof, medical equipment
TRUDHESA	Japan	Japan Registered Last Status Received: Registered, October 06, 2020 Filed: February 13, 2020	RN: 6300807 AN: 2020-015209	Int'l Class: 05 (Translation) (Int'l Class: 05) Drugs and drugs for treating and mitigating migraine (excluding pesticides)

Mark/Name	Jurisdiction	Status/Key Dates	App. No./Reg. No.	Full Goods/Services
		Registered: October 6, 2020 Expiration Date: October 6, 2030		
<u>IMPELLPOD</u>	Republic of Korea	Republic of Korea Registered Last Status Received: Registered Filed: May 15, 2018 Registered: February 14, 2019	RN: 40-1447269 AN: 4020180065479	Int'l Class: 10 (Translation) (Int'l Class: 10) Devices for delivering drugs into the body (drug delivery systems, namely, apparatus for delivering medication into human body) Devices and devices for drug delivery and administration (dosing aids and apparatus for medicines, namely) , drug delivery and dispensing devices for medicines, Dosing aids and apparatus for medicines, in particular for medicines in liquid and granulated form, namely, machines for dispensing pre-determined dosages of medication) nasal, respiratory, and sinus drug delivery devices and parts therefor
<u>TRUDHESA</u>	Republic of Korea	Republic of Korea Registered Last Status Received: Registered Filed: February 12, 2020 Registered: November 12, 2020	RN: 40-1661992 AN: 4020200022924	Int'l Class: 05 (Translation) (Int'l Class: 05) Pharmaceutical preparations for the treatment and alleviation of migraine headaches

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Schedule II

Domain Names

- IMPELNP.COM
- impelva.com
- impelnp.biz
- impelnp.co
- impelnp.co.uk
- impelnp.io
- impelnp.online
- impelnp.us
- impelnponline.com
- myimpelnp.com
- IMPELNEUROPHARMA.COM
- IMPELRX.COM
- aboutdhe.com
- aboutdhe.info
- aboutdhe.net
- aboutdhe.org
- trudhesa.com
- trudhesa.info
- trudhesa.net
- trudhesa.org
- trudhesahcp.com
- trudhesahcp.info
- trudhesahcp.net
- trudhesahcp.org
- tulifra.com
- tulifra.info
- tulifra.net
- tulifra.org
- tulifrahcp.com

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- tuliftahcp.info
- tuliftahcp.net
- tuliftahcp.org
- reroutemigrainerelief.com
- reroutemigrainereliefcp.com
- impelpharma.biz
- impelpharma.co.uk
- impelpharma.com
- impelpharma.info
- impelpharma.io
- impelpharma.mobi
- impelpharma.net
- impelpharma.org
- impelpharma.us
- impelpharmaceuticals.biz
- impelpharmaceuticals.co.uk
- impelpharmaceuticals.com
- impelpharmaceuticals.info
- impelpharmaceuticals.io
- impelpharmaceuticals.mobi
- impelpharmaceuticals.net
- impelpharmaceuticals.org
- impelpharmaceuticals.us
- impelrx.biz
- impelrx.co.uk
- impelrx.info
- impelrx.io
- impelrx.mobi
- impelrx.net
- impelrx.org
- impelrx.us
- impelpharma.co
- impelpharma.online
- impelpharmaceuticals.co

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- [impelpharmaceuticals.online](http://impelpharmaceuticals.online)
- [impelrx.co](http://impelrx.co)
- [impelrx.online](http://impelrx.online)
- [hightechdeliveryformigraine.com](http://hightechdeliveryformigraine.com)
- [impelboothexperience.com](http://impelboothexperience.com)
- [impelboothonline.com](http://impelboothonline.com)
- [impelmigrainebooth.com](http://impelmigrainebooth.com)
- [treatmigrainethroughthenose.com](http://treatmigrainethroughthenose.com)
- [aboutdhephi.com](http://aboutdhephi.com)
- [dhephirx.com](http://dhephirx.com)

**Schedule III**  
**Patents**

<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
INTRANASAL DEVICE WITH INLET INTERFACE	Pending	20200504	CA3081680	20181121
INTRANASAL DEVICE WITH INLET INTERFACE	CN111372635	20220816	ZL201880075221.1	20181121
INTRANASAL DEVICE WITH INLET INTERFACE	EP3713626	20210818	EP18880741.6	20181121
INTRANASAL DEVICE WITH INLET INTERFACE	Pending	20210430	HK62021024307.2	20210126
INTRANASAL DEVICE WITH INLET INTERFACE	US11395887	20220726	US16198312	20181121
INTRANASAL DEVICE WITH INLET INTERFACE	US11878110	20240123	US17835256	20220608
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20221018	BR20211123049	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20201126	AU2020277313	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20211112	CA3140374	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20220208	CN202080046714	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20230621	EP20808724	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20220826	HK20226054694	20220607
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20220128	IN202147057493	20211210
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20220713	JP20210568728	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20220125	KR1020217041344	20200515
SINGLE-USE NASAL DELIVERY DEVICE	Pending	20230619	RU20210137288	20200515
SINGLE-USE NASAL DELIVERY DEVICE	US11878109	20240123	US16875906	20200515
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20221027	AU20210207626	20210113
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20220920	BR112022013796	20210113
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20220711	CA3167555	20210113
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20221101	CN2021800209857.0	20210113



<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20231227	EP21741027.3	20210113
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20230120	HK20226064577	20221124
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20230320	JP2022-543038	20210113
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20220923	KR1020227028096	20210113
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	Unpublished	US18482856	20231007
REPEATED ADMINISTRATION OF DIHYDROERGOTAMINE FOR TREATMENT OF FREQUENT MIGRAINE HEADACHES	Pending	20210805	US17148154	20210113
NASAL DRUG DELIVERY DEVICE	AU2019418744	20230803	AU2019418744	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20210629	CA3125430	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20220527	CL2021001755	20210701
NASAL DRUG DELIVERY DEVICE	CN113473967	20220909	CN201906692137	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20210902	EA202191856	20191217
NASAL DRUG DELIVERY DEVICE	EP3906017	20221228	EP1907973	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20220624	HK62022053022.9	20220506
NASAL DRUG DELIVERY DEVICE	IL284362	20230601	IL28436221	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20210730	IN202147033648	20210727
NASAL DRUG DELIVERY DEVICE	JP7213991	20230127	JP2022517757	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20210903	KR102021703935	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20210805	MX2021008082	20191217
NASAL DRUG DELIVERY DEVICE	NZ777687	20231222	NZ777687	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20210729	SG20211107019	20191217
NASAL DRUG DELIVERY DEVICE WITH DETACHABLE NOZZLE	US11759585	20230919	US17420640	20191217
NASAL DRUG DELIVERY DEVICE	Pending	20221130	ZA20210004682	20210705

<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	AU2019205329	20230420	AU20190205329	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20200703	CA3087698	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20201027	CN201980016880	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20211013	EP19735694	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20210709	HK62021029305.1	20210414
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20200911	IN202047033486	20200805
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20210401	JP20200537508	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Pending	20201014	KR1020207022587	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	US11278492	20220322	US16240563	20190104
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	US11752100	20230912	US17574511	20220112
INTRANASAL DELIVERY OF OLANZAPINE BY PRECISION OLFACATORY DEVICE	Unpublished	20231116	US18357927	20230724
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	Pending	20210611	CN201980061336	20190719
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	Pending	20220406	EP19838654	20190719

<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	Pending	20211125	JP20210502918	20190719
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	Pending	20210329	KR1020217004903	20190719
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	US11517548	20221206	US16517423	20190719
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	US11690819	20230704	US17682033	20220228
RESPIRATORY TRACT DELIVERY OF LEVODOPA AND DOPA DECARBOXYLASE INHIBITOR FOR TREATMENT OF PARKINSON'S DISEASE	Pending	20230928	US17682,033	20230506
NASAL DRUG DELIVERY DEVICE	AU2012223160	20160818	AU20120223160	20120305
NASAL DRUG DELIVERY DEVICE	AU2016256665	20181122	AU20160256665	20161107
NASAL DRUG DELIVERY DEVICE	BR112013022249	20221025	BR20131122249	20120305
NASAL DRUG DELIVERY DEVICE	BR1222021002471	20221025	BR122021002471	20120305
NASAL DRUG DELIVERY DEVICE	CA2828884	20210427	CA2828884	20120305
NASAL DRUG DELIVERY DEVICE	CA3111516	20230523	CA3111516	20120305
NASAL DRUG DELIVERY DEVICE	CN103917265	20170215	CN201280021497	20120305
NASAL DRUG DELIVERY DEVICE	DE602012069911	20200528	DE201260069911T	20120305
NASAL DRUG DELIVERY DEVICE	DE602012078550	20220811	DE201260078550T	20120305
NASAL DRUG DELIVERY DEVICE	EP2680913	20200506	EP20120752463	20120305
NASAL DRUG DELIVERY DEVICE	EP3679971	20220727	EP20200158982	20120305
NASAL DRUG DELIVERY DEVICE	IN409215	20221021	7465/DELNP/2013	20130823
NASAL DRUG DELIVERY DEVICE	JP6339371	20180606	JP20130556677T	20120305
NASAL DRUG DELIVERY DEVICE	RU2612506	20170309	RU20130144395	20120305

<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
NASAL DRUG DELIVERY DEVICE	RU2728583	20200730	RU20170105845	20120305
NASAL DRUG DELIVERY DEVICE	US10507295	20191217	US153388097	20161028
NASAL DRUG DELIVERY DEVICE	US11730903	20230822	US16664588	20191025
NASAL DRUG DELIVERY DEVICE	US9550036	20170124	US14017048	20130903
NASAL DRUG DELIVERY DEVICE	Pending	Unpublished	US18346244	20230702
IN-LINE NASAL DELIVERY DEVICE	AU2016321345	20180419	AU20160321345	20160909
IN-LINE NASAL DELIVERY DEVICE	Pending	20180308	CA2998182	20160909
IN-LINE NASAL DELIVERY DEVICE	CN108601916	20210709	CN201680060459	20160909
IN-LINE NASAL DELIVERY DEVICE	DE602016069688	20220317	DE201660069688T	20160909
IN-LINE NASAL DELIVERY DEVICE	EP3341059	20220302	EP20160845229	20160909
IN-LINE NASAL DELIVERY DEVICE	Pending	20190524	HK18111496.6	20180906
IN-LINE NASAL DELIVERY DEVICE	IL257845	20220701	IL20160257845	20160909
IN-LINE NASAL DELIVERY DEVICE	IN201847012776	20180413	IN201847012776	20180404
IN-LINE NASAL DELIVERY DEVICE	JP6753927	20200909	JP20180513344T	20160909
IN-LINE NASAL DELIVERY DEVICE	JP7001777	20220210	JP20200139519	20160909
IN-LINE NASAL DELIVERY DEVICE	Pending	20180518	KR20187009528	20160909
IN-LINE NASAL DELIVERY DEVICE	MA42708	20180704	MA20160042708	20160909
IN-LINE NASAL DELIVERY DEVICE	MX397293	20221109	MX20180002895	20160909
IN-LINE NASAL DELIVERY DEVICE	NZ741171	20220128	NZ20160741171	20160909
IN-LINE NASAL DELIVERY DEVICE	US11266799	20220308	US15759447	20160909
IN-LINE NASAL DELIVERY DEVICE	Pending	Unpublished	US18538917	20131213
IN-LINE NASAL DELIVERY DEVICE	ZA201801543	20220831	ZA20180001543	20180306
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	AU2019205318	20220203	AU2019205318	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	CA3088942	20230103	CA3088942	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	Pending	20201113	CN201980016882	20190104

<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	DE602019022249	20221208	DE201960022249T	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	EP3735244	20221123	EP20190735973	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	ES2937440	20230328	ES20190735973	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	HK40039614	20230414	HK20216029274	20210414
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	IN202047033483	20200918	IN202047033483	20200805
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	JP7317020	20230728	JP20200537473T	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	Pending	20201014	KR1020207022585	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	RU2020125871	20221010	RU20200125871	20190104
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	US11185497	20211130	US17062364	20201002
INTRANASAL DELIVERY OF DIHYDROERGOTAMINE BY PRECISION OLFATORY DEVICE	Pending	20220407	US17492136	20211001
INTRANASAL DEVICE WITH DIP TUBE	Pending	20210818	EP18881599	20181121
INTRANASAL DEVICE WITH DIP TUBE	Pending	20210521	HK62021025263.6	20210208
INTRANASAL DEVICE WITH DIP TUBE	JP7191099	20221216	JP20200528005T	20181121
INTRANASAL DEVICE WITH DIP TUBE	US11571532	20230207	US16198403	20181121
NOZZLES FOR NASAL DRUG DELIVERY	AU2012253569	20180215	AU20120253569	20120509
NOZZLES FOR NASAL DRUG DELIVERY	AU2018200530	20190808	AU20180200530	20180123
NOZZLES FOR NASAL DRUG DELIVERY	BR112013028572	20221025	BR20131128572	20120509
NOZZLES FOR NASAL DRUG DELIVERY	CA2835208	20190820	CA2835208	20120509
NOZZLES FOR NASAL DRUG DELIVERY	CN103619485	20170808	CN201280029975	20120509

<u>Title</u>	<u>Patent Number</u>	<u>Publication Date</u>	<u>Application Number</u>	<u>Application Date</u>
NOZZLES FOR NASAL DRUG DELIVERY	CN107376071	20210709	CN201710572447	20120509
NOZZLES FOR NASAL DRUG DELIVERY	DE602012075398	20210512	DE201260075398T	20120509
NOZZLES FOR NASAL DRUG DELIVERY	EP2707146	20210428	EP20120781605	20120509
NOZZLES FOR NASAL DRUG DELIVERY	EP3851142	20210721	EP20210161728	20120509
NOZZLES FOR NASAL DRUG DELIVERY	IN406303	20220916	IN2013DND09576	20131106
NOZZLES FOR NASAL DRUG DELIVERY	JP6645735	20200214	JP20140510444T	20120509
NOZZLES FOR NASAL DRUG DELIVERY	JP6959708	20211105	JP2017014591.1	20120509
NOZZLES FOR NASAL DRUG DELIVERY	RU2618084	20170502	RU20130154420	20120509
NOZZLES FOR NASAL DRUG DELIVERY	RU2741249	20210122	RU20170113604	20120509
NOZZLES FOR NASAL DRUG DELIVERY	US10940278	20210309	US15890266	20180206
NOZZLES FOR NASAL DRUG DELIVERY	US11007332	20210518	US15844474	20171215
NOZZLES FOR NASAL DRUG DELIVERY	US11890412	20211021	US17164371	20210201
NOZZLES FOR NASAL DRUG DELIVERY	Pending	Unpublished	US18505101	20231111
NOZZLES FOR NASAL DRUG DELIVERY	US9919117	20180320	US14075126	20131108
INTRANASAL DELIVERY OF LEVODOPA POWER BY PRECISION OLFATORY DEVICE	Pending	20200703	CA3087696	20190104
INTRANASAL DELIVERY OF LEVODOPA POWER BY PRECISION OLFATORY DEVICE	Pending	20201020	CN201980016881	20190104
INTRANASAL DELIVERY OF LEVODOPA POWER BY PRECISION OLFATORY DEVICE	EP3735298	20211006	EP20190735763	20190104
INTRANASAL DELIVERY OF LEVODOPA POWER BY PRECISION OLFATORY DEVICE	Pending	20201014	KR20207022586	20190104
INTRANASAL DELIVERY OF LEVODOPA POWER BY PRECISION OLFATORY DEVICE	US2022296504	20220922	US17498381	20211011
MEDICAL UNIT DOSE CONTAINER	CA2909954	20210323	CA2909954	20140428
MEDICAL UNIT DOSE CONTAINER	DE602014048612	20190718	DE201460048612T	20140428
MEDICAL UNIT DOSE CONTAINER	EP2991713	20190619	EP14727320	20140428
MEDICAL UNIT DOSE CONTAINER	US10537692	20200121	US14787455	20140428
MEDICAL UNIT DOSE CONTAINER	US11191910	20211207	US16695147	20191125

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REEL: 066601 FRAME: 0508