PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HELGERT MULLER	12/05/2013
RENATE ENGELSTATTER	12/05/2013
ULRICH BILDMANN	12/04/2013
ANDREA BAUER	12/13/2013
PAUL MCGLYNN	12/13/2013

RECEIVING PARTY DATA

Name:	TAKEDA GMBH
Street Address:	BYK-GULDEN-STRASSE 2
City:	KONSTANZ
State/Country:	GERMANY
Postal Code:	78467

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17319655

CORRESPONDENCE DATA

Fax Number: (973)597-6327

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.

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Email: dtoma@lowenstein.com

Correspondent Name: PATENT DOCKET ADMINISTRATOR

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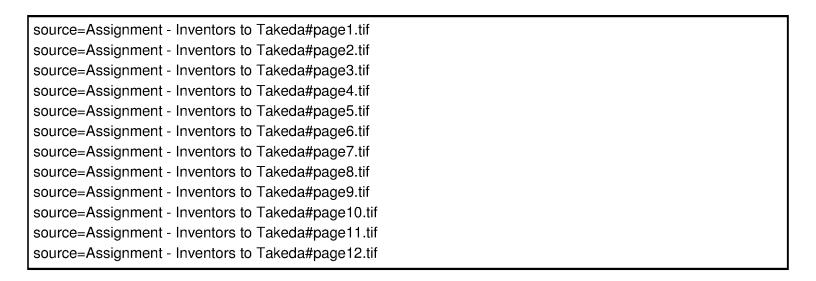
Address Line 4: ROSELAND, NEW JERSEY 07068

NAME OF SUBMITTER: DAVID TON	ЛА
SIGNATURE: /David Tom	a/
DATE SIGNED: 06/08/2023	

Total Attachments: 12

PATENT REEL: 063897 FRAME: 0724

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PATENT Attorney Docket No.: 32982U

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given "Helgert MÜLLER, Luisenplatz 6A, 78315 Radolfzell, DE; Renate ENGELSTÄTTER, Im Vogelsang 9 a, 78476 Allensbach, DE; Ulrich BILDMANN, Churfirstenstr. 11a, 78247 Hilzingen, DE; Andrea BAUER, 29 Valley Road, NORTH READING, MA 01864, US; Paul MCGLYNN, 18 Copley Drive, NORTHBOROUGH, MA 01532, US;" hereinafter referred to as the ASSIGNOR(S), who has/have invented certain new and useful "PHARMACEUTICAL AEROSOL PRODUCT FOR ADMINISTRATION BY ORAL OR NASAL INHALATIO" hereinafter referred to as the invention, for which I has executed an application for Letters Patent to be filed in the United States Patent and Trademark Office.

WHEREAS, **Takeda GmbH**, a corporation organized and existing under the laws of the country/state of **Germany**, whose post office address/business address is **Byk-Gulden-Straße 2**, **78467 Konstanz**, **Germany**, hereinafter referred to as the ASSIGNEE, desires to acquire the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof.

NOW, WITNESSETH THIS that for and in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt, adequacy and sufficiency of which are hereby acknowledged, said ASSIGNOR(S) hereby assign(s), sell(s) and transfer(s) to said ASSIGNEE, its assigns and legal representatives, the entire right, title and interest for the United States and elsewhere throughout the world, in and to said invention and application, including any and all divisions and continuations thereof, all rights of priority under the terms of the International Convention for the Protection of Industrial Property, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and as beneficial a manner for all intents and purposes as said ASSIGNOR(S) might or could have held and enjoyed the same had this assignment not been made.

Attorney Docket No.: 32982U

ASSIGNMENT

ALSO, said ASSIGNOR(S) hereby agree(s) to execute all papers necessary to file said applications in the United States and elsewhere throughout the world, and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing any and all Letters Patent thereon.

AND said ASSIGNOR(S) authorize(s) and request(s) the Commissioner of Patents to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

By: Helgert MÜLLER First Inventor	05 December 201 Date
By:Renate ENGELSTÄTTER Second Inventor	Date
By:	Date
By:Andrea BAUER	Date

Attorney Docket No. 32982U

1700USPCT01

Paul MCGLYNN

Fifth Inventor

3th DECEMBER 2013

Date

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PATENT Attorney Docket No.: 32982U

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By: Helgert MÜLLER First Inventor	Date
By: Cimate Cupil Renate ENGELSTÄTTER Second Inventor	Dec 5, 2013 Date
By: Ulrich BILDMANN Third Inventor	Date
By:Andrea BAUER Fourth Inventor	Date

Attorney Docket No. 32982U

1700USPCT01

Fifth Inventor

13th DECEMBER 2013 Date

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By:	
Helgert MÜLLER	Date
First Inventor	
n	
By:Renate ENGELSTÄTTER	Date
Second Inventor	Date
By: U, Slcl	04 Jec. 2013
Ulrich BILDMANN	Date
Third Inventor	
Ву:	
Andrea BAUER	Date
Fourth Inventor	

Attorney Docket No. 32982U

1700USPCT01

Paul MCGLYNN

Fifth Inventor

13th DECEMBER 2013

Page One of Three

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By:	
By:Helgert MÜLLER	Date
First Inventor	
Dur	
By:Renate ENGELSTÄTTER	Date
Second Inventor	Date
By:	
By:Ulrich BILDMANN	Date
Third Inventor	
1.000	D 7 1 0 1 1
By: Midneg baue	B Decornler 2013
Andrea BAUER	Date
Fourth Inventor	

Attorney Docket No. 32982U

1700USPCT01

Paul MCGLYNN

Fifth Inventor

13th DECEMBER 2010

PATENT REEL: 063897 FRAME: 0737

RECORDED: 02/08/2023