

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3475902

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
JOACHIM EICHER	06/18/2015
JOSEF GATZ	07/01/2015
FRANK HERRMANN	06/25/2015
HUBERT HOELZ	06/19/2015
ANDREE JUNG	06/22/2015
ROBERT GERHARD WINKLER	06/22/2015
MARTIN MEISENHEIMER	07/10/2015
MARKUS MUELLER	07/09/2015
ALFRED VON SCHUCKMANN	06/22/2015
HERBERT WACHTEL	07/02/2015
GILBERT WUTTKE	06/18/2015
JOCHEN ZIEGLER	06/18/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	Boehringer Ingelheim International GmbH
<b>Street Address:</b>	Binger Strasse 173
<b>City:</b>	Ingelheim am Rhein
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	55216

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	14703125

**CORRESPONDENCE DATA**

Fax Number: (203)837-5616

*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.*

Email: christina.ostorga@boehringer-ingelheim.com

Correspondent Name: MICHAEL P. MORRIS

Address Line 1: 900 RIDGEBURY ROAD, P.O. BOX 368

Address Line 4: RIDGEFIELD, CONNECTICUT 06877-0368

<b>ATTORNEY DOCKET NUMBER:</b>	01-3048-US-1
<b>NAME OF SUBMITTER:</b>	MARY-ELLEN M. DEVLIN
<b>SIGNATURE:</b>	/Mary-Ellen M. Devlin/
<b>DATE SIGNED:</b>	08/10/2015

**Total Attachments: 44**

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Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

### ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has transferred, sold and assigned, and by these presents hereby transfers, sells and assigns, unto

BOEHRINGER INGELHEIM INTERNATIONAL GmbH  
Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

Its successors and assigns, (hereinafter "Assignee") the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions entitled:

NEBULIZER

as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

- executed concurrently herewith
- executed on
- Application No. 14/703,125; filed May 4, 2015
- Application claims priority from Application No. \_\_\_\_\_, filed

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Including the right to claim priority from the Application,

including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, International Convention applications (including the PCT International Application and national stages of any such PCT International Application) and all other foreign patent applications based in whole or in part upon said Inventions or upon said Application, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted in any country for said Inventions or upon any patent application claiming priority rights

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U.S. Serial No. 14/703,125

Attorney Docket No. 01-3048-US-1

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from the Application, and every priority right that is or may be predicated upon or arise from said Inventions, or from said Application, said Assignee being hereby authorized to file and prosecute patent applications, including completing formalities and recordation of ownership claims, in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the United States Patent and Trademark Office and corresponding patent granting authorities outside the United States being hereby authorized to issue or transfer all said Letters Patent issuing from any patent applications claiming the Inventions and priority from the Application to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, the Application and any Letters Patent which may issue from any patent applications claiming the Inventions and priority from the Application shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said Inventions, and to testify in any proceedings relating to said Inventions, the Application, and/or Letters Patent that may issue as a result from any patent applications claiming priority to the Application.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office and/or corresponding patent granting authorities outside the United States, and to handle all correspondence relating to the Application or any patent applications claiming priority from the Application.

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

This Assignment is deemed to be effective as of May 4, 2015.

**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: Joachim Eicher Date: June 18, 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

**Name: Markus MUELLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Alfred VON SCHUCKMANN**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Herbert WACHTEL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Robert Gerhard WINKLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Gilbert WUTTKE**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Jochen ZIEGLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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BOEHRINGER INGELHEIM INTERNATIONAL GmbH  
Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

Its successors and assigns, (hereinafter "Assignee") the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions entitled:

NEBULIZER

as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

- executed concurrently herewith
- executed on
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Including the right to claim priority from the Application,

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from the Application, and every priority right that is or may be predicated upon or arise from said Inventions, or from said Application, said Assignee being hereby authorized to file and prosecute patent applications, including completing formalities and recordation of ownership claims, in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the United States Patent and Trademark Office and corresponding patent granting authorities outside the United States being hereby authorized to issue or transfer all said Letters Patent issuing from any patent applications claiming the Inventions and priority from the Application to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, the Application and any Letters Patent which may issue from any patent applications claiming the Inventions and priority from the Application shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said Inventions, and to testify in any proceedings relating to said Inventions, the Application, and/or Letters Patent that may issue as a result from any patent applications claiming priority to the Application.

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Assignment  
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Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

This Assignment is deemed to be effective as of May 4, 2015.

**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature:  \_\_\_\_\_ Date: July 1, 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

Name: Markus MUELLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Alfred VON SCHUCKMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Herbert WACHTEL

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Robert Gerhard WINKLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Gilbert WUTTKE

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature:  \_\_\_\_\_ Date: June 25, 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

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**Name: Markus MUELLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Alfred VON SCHUCKMANN**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Herbert WACHTEL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Robert Gerhard WINKLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Gilbert WUTTKE**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Jochen ZIEGLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

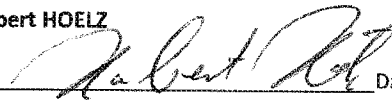
**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature:  Date: June 19, 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

**Name: Markus MUELLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Alfred VON SCHUCKMANN**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Herbert WACHTEL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Robert Gerhard WINKLER**

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**NAME AND SIGNATURE OF INVENTOR**

**Name: Gilbert WUTTKE**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Jochen ZIEGLER**

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from the Application, and every priority right that is or may be predicated upon or arise from said Inventions, or from said Application, said Assignee being hereby authorized to file and prosecute patent applications, including completing formalities and recordation of ownership claims, in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the United States Patent and Trademark Office and corresponding patent granting authorities outside the United States being hereby authorized to issue or transfer all said Letters Patent issuing from any patent applications claiming the Inventions and priority from the Application to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, the Application and any Letters Patent which may issue from any patent applications claiming the Inventions and priority from the Application shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said Inventions, and to testify in any proceedings relating to said Inventions, the Application, and/or Letters Patent that may issue as a result from any patent applications claiming priority to the Application.

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Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

This Assignment is deemed to be effective as of May 4, 2015.

**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: A. Jung Date: June, 22 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

Name: Markus MUELLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Alfred VON SCHUCKMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Herbert WACHTEL

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Robert Gerhard WINKLER

Signature: Robert Gerhard Winkler Date: 2015-06-22

**NAME AND SIGNATURE OF INVENTOR**

Name: Gilbert WUTTKE

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

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**ASSIGNMENT – WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has transferred, sold and assigned, and by these presents hereby transfers, sells and assigns, unto

BOEHRINGER INGELHEIM INTERNATIONAL GmbH  
Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

its successors and assigns, (hereinafter "Assignee") the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions entitled:

NEBULIZER

as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

- executed concurrently herewith
- executed on
- Application No. 14/703,125; filed May 4, 2015
- Application claims priority from Application No. , filed

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Including the right to claim priority from the Application,

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**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_


**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature:  Date: 07/10/2015

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

**Name: Markus MUELLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Alfred VON SCHUCKMANN**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Herbert WACHTEL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Robert Gerhard WINKLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Gilbert WUTTKE**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Jochen ZIEGLER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

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U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

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**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

Name: Markus MUELLER

Signature: *Markus Mueller* Date: July 9, 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Alfred VON SCHUCKMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Herbert WACHTEL

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Robert Gerhard WINKLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Gilbert WUTTKE

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
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BOEHRINGER INGELHEIM INTERNATIONAL GmbH  
Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

Its successors and assigns, (hereinafter "Assignee") the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions entitled:

NEBULIZER

as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

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- executed on
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- Application claims priority from Application No. \_\_\_\_\_, filed

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Including the right to claim priority from the Application,

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Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

This Assignment is deemed to be effective as of May 4, 2015.

**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

Name: Markus MUELLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Alfred VON SCHÜCKMANN

Signature:  Date: 06/22/2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Herbert WACHTEL

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Robert Gerhard WINKLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Gilbert WUTTKE

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
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### ASSIGNMENT – WORLDWIDE

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BOEHRINGER INGELHEIM INTERNATIONAL GmbH  
Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

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as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

- executed concurrently herewith
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Assignment

U.S. Serial No. 14/703,125

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Assignment  
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**NAME AND SIGNATURE OF INVENTOR**

Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Josef GATZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Frank HERRMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Hubert HOELZ

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Andree JUNG

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Martin MEISENHEIMER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

Name: Markus MUELLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Alfred VON SCHUCKMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Herbert WACHTEL

Signature: Herbert Wachtel Date: July 2, 2015

**NAME AND SIGNATURE OF INVENTOR**

Name: Robert Gerhard WINKLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Gilbert WUTTKE

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

**Name: Joachim EICHER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Josef GATZ**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Frank HERRMANN**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Hubert HOELZ**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Andree JUNG**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

**Name: Martin MEISENHEIMER**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Serial No. 14/703,125  
Date of Filing: May 4, 2015

Attorney Docket No. 01-3048-US-1

**NAME AND SIGNATURE OF INVENTOR**

Name: Markus MUELLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Alfred VON SCHUCKMANN

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Herbert WACHTEL

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Robert Gerhard WINKLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

Name: Gilbert WUTTKE

Signature: *Gilbert Wuttke* Date: *June 18, 2015*

**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
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### ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has transferred, sold and assigned, and by these presents hereby transfers, sells and assigns, unto

BOEHRINGER INGELHEIM INTERNATIONAL GmbH  
Binger Strasse 173  
Ingelheim am Rhein 55216  
Federal Republic of Germany

Its successors and assigns, (hereinafter "Assignee") the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions entitled:

NEBULIZER

as set forth and described in the below identified United States patent application (hereinafter referred to as the "Inventions")

- executed concurrently herewith
- executed on
- Application No. 14/703,125; filed May 4, 2015
- Application claims priority from Application No. \_\_\_\_\_, filed \_\_\_\_\_

The application listed above is hereinafter referred to as the "Application";

Including the right to claim priority from the Application,

including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, International Convention applications (including the PCT International Application and national stages of any such PCT International Application) and all other foreign patent applications based in whole or in part upon said Inventions or upon said Application, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted in any country for said Inventions or upon any patent application claiming priority rights

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from the Application, and every priority right that is or may be predicated upon or arise from said Inventions, or from said Application, said Assignee being hereby authorized to file and prosecute patent applications, including completing formalities and recordation of ownership claims, in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the United States Patent and Trademark Office and corresponding patent granting authorities outside the United States being hereby authorized to issue or transfer all said Letters Patent issuing from any patent applications claiming the Inventions and priority from the Application to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, the Application and any Letters Patent which may issue from any patent applications claiming the Inventions and priority from the Application shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said Inventions, and to testify in any proceedings relating to said Inventions, the Application, and/or Letters Patent that may issue as a result from any patent applications claiming priority to the Application.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office and/or corresponding patent granting authorities outside the United States, and to handle all correspondence relating to the Application or any patent applications claiming priority from the Application.

Assignment  
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This Assignment is deemed to be effective as of May 4, 2015.

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Name: Joachim EICHER

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**NAME AND SIGNATURE OF INVENTOR**

Name: Jochen ZIEGLER

Signature: Jochen Ziegler Date: June 18, 2015