PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5149001

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARTIN CHRISTIAN WEIGEL	09/10/2018
KARSTEN HOFMANN-PEIKER	09/10/2018
MICHAEL KLEINE	09/10/2018

RECEIVING PARTY DATA

Name:	PLANTON GMBH
Street Address:	AM KIEL-KANAL 44
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Postal Code:	24106

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15772842

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ATTORNEY DOCKET NUMBER:	DEBE.P0141US
NAME OF SUBMITTER:	CAROLINE HAMILTON
SIGNATURE:	/Caroline Hamilton/
DATE SIGNED:	09/19/2018

Total Attachments: 6

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PATENT 505102241 REEL: 046915 FRAME: 0720

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> PATENT REEL: 046915 FRAME: 0721



This Patent Assignment ("Assignment") is made and entered into as of by and between Martin Christian WEIGEL, Karsten HOFMANN-PEIKER, and Michael KLEINE (the "Assignor(s)") and Planton GmbH, having a place of business at Am Kiel-Kanal 44, Kiel, Germany 24106 (the "Assignee").

WHEREAS, Assignor(s) has agreed to assign and transfer to Assignee, and Assignee has agreed to acquire and accept from Assignor(s), Assignor(s)'s rights in the following patent application(s) and/or patent(s) (the "Assigned Patents"):

U.S. Serial No. 15/772,842, filed May 2, 2018, as a national phase application under 35 U.S.C. § 371 of International Application No. PCT/EP2016/076526, filed November 3, 2016, and is entitled "METHOD FOR GENDER IDENTIFICATION IN DOMESTIC CHICKEN," which claims priority to European Patent Application No. 15192841.3, filed November 3, 2015.

NOW, THEREFORE, in consideration of the premises, mutual covenants and provisions herein contained, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the parties hereto agree to execute this Assignment, as follows:

- 1.0 Assignment. The Assignor(s) has assigned and/or by these presents does hereby assign, transfer and convey unto Assignee, the Assignor(s)'s whole and entire right, title and interest for the United States and all other countries throughout the world (i) in and to the inventions claimed or disclosed in the Assigned Patents, including all patents granting from the Assigned Patents or any continuation, continuation-in-part, division, renewal, substitute, reexamination or reissue thereof, including any patents in the United States and in all other countries throughout the world obtained based upon a claim of priority to any said Assigned Patents as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, or other applicable law, as well as the right to claim priority to any said Assigned Patents as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law, and (ii) in and to all rights to sue for and collect damages resulting from past, present and future infringement of said patents and patent applications in (i).
- 2.0 Enjoyment. The patents and patent applications subject to Paragraph 1 shall be held and enjoyed by Assignee, for Assignee's use and benefit, and for Assignee's legal representatives and assigns, to the full end of the term or terms for which same may be granted, as fully and entirely as the same would have been held by Assignee had this assignment and transfer not been made.
- **3.0 Authorize and Request.** Assignor(s) authorizes and requests the issuing authority to issue any and all United States and foreign patents granted on such patents and patent applications in 1.0(i) to the Assignee.

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- 4.0 Warrant and Covenant. Assignor(s) warrants and covenants that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the Assignor(s), and that the full right to convey the same as herein expressed is possessed by the Assignor(s).
- 5.0 Assistance. The parties to this Assignment shall use commercially reasonable efforts to take, or cause to be taken, all actions, and to do, or cause to be done, all things, necessary or advisable to consummate the transactions contemplated by this Assignment. Without limiting the foregoing, each of Assignor(s) and Assignee shall cooperate with the other without any further consideration to execute and deliver, or use commercially reasonable efforts to cause to be executed and delivered, all documents as may reasonably be necessary to secure the vesting in Assignee of all rights assigned to Assignee by this Assignment, including without limitation any documents required to record this Assignment with local patent offices, and all rightful oaths, declarations, and other papers.
- **6.0 Binding.** The Assignment is binding on the heirs, assigns, representatives and successors of the Assignor(s) and extends to the successors, assigns and nominees of the Assignee.
- 7.0 Effectiveness. The assignment of said inventions is or was effective as of the earlier of (1) the date of execution of the Assignor(s) indicated below or (2) the filing date of the first filed of the patent applications of the Assigned Patents.

(Signature page follows)

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IN WITNESS WHEREOF, <u>Martin Christian WEIGEL</u> has executed this Patent Assignment, or has caused this Patent Assignment to be executed on his/her behalf by a representative duly authorized, all as of the date set forth below.

Martin Christian WEIGEL

Signature:

Date: September 10, 201

BEFORE ME, Nichael KLEINE, the undersigned witness, on this 10 day of Secondary appeared Martin Christian WEIGEL, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Witness

IN WITNESS WHEREOF, <u>Karsten HOFMANN-PEIKER</u> has executed this Patent Assignment, or has caused this Patent Assignment to be executed on his/her behalf by a representative duly authorized, all as of the date set forth below.

Karsten HOFMANN-PEIKER

Signature:	S1061	34. Ay	10	202	<i>Y</i>
Date:		17			

Witness

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IN WITNESS WHEREOF, <u>Michael KLEINE</u> has executed this Patent Assignment, or has caused this Patent Assignment to be executed on his/her behalf by a representative duly authorized, all as of the date set forth below.

	MICHAEL WEELINE
	/ ()
	Signature:
	Date: Spylender 10, 20/8
4 , ,,	1 C
BEFORE ME, (CA)	VE/6EL, the undersigned witness, on this 10 day of appeared Michael KLEINE, known to me to be the person
Sellantes . 20/V personally	appeared Michael KLEINE, known to me to be the person
whose name is subscribed to th	e foregoing instrument and acknowledged to me that he/she
executed the same of his/her own	free will for the purposes and consideration therein expressed.

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IN WITNESS WHEREOF, Assignee has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

Planton GmbH

By:

Name:

Title:

DANAGING DIRECTOR

Sylemler 10, 2018

BEFORE ME, WEIGH WIGHT (witness printed name), the undersigned witness, on this 10 day of 5 cm low, 20 personally appeared 10 cm low known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

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Witness

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RECORDED: 09/19/2018

PATENT REEL: 046915 FRAME: 0727