### 506040942 05/01/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6087657

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARKUS HARTMANN	02/08/2019
KLAUS-PETER BOHN	02/08/2019
BASTIAN PLUEMACHER	02/11/2019
THILO HAMMERS	02/19/2020
MICHAEL BRUNNER	02/21/2019

#### **RECEIVING PARTY DATA**

Name:	HILTI AKTIENGESELLSCHAFT
Street Address:	FELDKIRCHERSTR 100.
City:	SCHAAN
State/Country:	LIECHTENSTEIN
Postal Code:	9494

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16342101

### **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:** 2127361940

**Email:** ddk@ddkpatent.com, jdowningbrown@ddkpatent.com

Correspondent Name: DAVIDSON, DAVIDSON & KAPPEL, LLC

Address Line 1: 589 8TH AVENUE 22ND FLOOR Address Line 4: NEW YORK, NEW YORK 10018

ATTORNEY DOCKET NUMBER:	5068.1264
NAME OF SUBMITTER:	WILLIAM C. GEHRIS, REG. NO. 38,156
SIGNATURE:	/williamcgehris/
DATE SIGNED:	05/01/2020

**Total Attachments: 5** 

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PATENT REEL: 052546 FRAME: 0916

506040942



PATENT REEL: 052546 FRAME: 0917

# ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention:	CONTROL METHOD AND DUST EXTRACTION MODULE
Attorney Docket No	).:
the attached a	declaration are directed to (check one): application; in identified by the attorney docket no. and title of invention given above; Application or PCT International Application No. PCT/EP2017/076425, filed Oct-17-2017.
	ASSIGNMENT
	le consideration, the receipt and sufficiency of which are hereby acknowledged, as a below- e sold and assigned, and hereby sell and assign, to:
	Hilti Aktiengesellschaft :: Feldkircherstr. 100, 9494 Schaan, LIECHTENSTEIN
patent application, in Patent of the United reissues or extension of the term or terms to utility models, and do the United States, toggists derived from a Convention for the P the country in which ASSIGNEE, its successful designs or of without limitation, painvention in any country be held and enjoyed.	(EE) all my right, title, and interest in and to the above-identified invention and United States cluding: (i) any and all divisions or continuations thereof, and in and to any and all Letters States that may issue on any such application or for said invention, including any and all states thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end for which any and all such Letters Patent may be granted; (ii) all applications for patents, esigns which may hereafter be filed for said invention in any country or countries foreign to gether with the right to file such applications and the right to claim for the same the priority aid United States application under the Patent Laws of the United States, the International rotection of Industrial Property, or any other international agreement or the domestic laws of any such application is filed, as may be applicable, to be held and enjoyed by said essors, or assigns to the full end of the term or terms for which any and all such patents, utility ther rights may be granted; and (iii) all forms of industrial property protection, including, atents, utility models, inventors' certificates and designs which may be granted for said entry or countries foreign to the United States and all extensions, renewals and reissues thereof, and by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which ents, utility models, designs or other rights may be granted.
	d request the Director of the U.S. Patent and Trademark Office to issue any and all such ASSIGNEE, its successors, or assigns in accordance herewith.
	nt that I have the right to sell and assign the interests herein sold and assigned and that I have I not execute any document or instrument in conflict herewith.
assigns all informatic deliver any papers, in necessary or desirabl invention, to said app may be granted there or to assist said ASS Letters Patent of the	d agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or on known to me relating to said invention or patent application and that I will execute and nake all rightful oaths, testify in any legal proceedings, and perform all other lawful acts e by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said oblication including divisions and continuations thereof and to any and all Letters Patent that for or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, IGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing United States and any and all patents, utility models, designs or other rights that may be I States or of any country or countries foreign to the United States, for said invention.
	<u>DECLARATION</u>
As a below-named in	wentor, I hereby declare that:
The above-identified	application was made or authorized to be made by me.
	e original inventor or an original joint inventor of a claimed invention in the application.
§ 1001 by fine or im	e that any willful false statement made in this declaration is punishable under 18 U.S.C. prisonment of not more than five (5) years, or both.
Signature:	
Inventor: Bastia	n PLOMACHER Date: <u>0ユーイナーユのイヤ</u>

# ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Inven	tion: CONTROL METI	IOD AND DUST EXTRACTION MODULE
Attorney Doc	ket No.:	
This assignme the atta	nt and declaration are directed to ched application; dication identified by the attorne	o (check one): y docket no, and title of invention given above; national Application No. <u>PCT/EP2017/076425</u> , filed <u>Oct-17-2017</u> .
		<u>ASSIGNMENT</u>
	valuable consideration, the recei or I have sold and assigned, and	ot and sufficiency of which are hereby acknowledged, as a below- nereby sell and assign, to:
	znee: Hilti Aktiengesellschaft signee: Feldkircherstr. 100, 9	494 Schann, LIECHTENSTEIN
patent applicate Patent of the United Starights derived Convention for the country in ASSIGNEE, it models, design without limital invention in as to be held and	ion, including: (i) any and all difficed States that may issue on a consions thereof, to be held and elemns for which any and all such and designs which may hereafters, together with the right to fill from said United States applicated the Protection of Industrial Prowhich any such application is files or other rights may be granted ion, patents, utility models, inverse country or countries foreign tenjoyed by said ASSIGNEE, its	d interest in and to the above-identified invention and United States ivisions or continuations thereof, and in and to any and all Letters my such application or for said invention, including any and all njoyed by said ASSIGNEE, its successors, or assigns to the full end Letters Patent may be granted; (ii) all applications for patents, or be filed for said invention in any country or countries foreign to e such applications and the right to claim for the same the priority ion under the Patent Laws of the United States, the International perty, or any other international agreement or the domestic laws of led, as may be applicable, to be held and enjoyed by said all end of the term or terms for which any and all such patents, utility; and (iii) all forms of industrial property protection, including, entors' certificates and designs which may be granted for said to the United States and all extensions, renewals and reissues thereof, successors, or assigns to the full end of the term or terms for which is or other rights may be granted.
		the U.S. Patent and Trademark Office to issue any and all such rs, or assigns in accordance herewith.
		sell and assign the interests herein sold and assigned and that I have not or instrument in conflict herewith.
assigns all info deliver any pa necessary or d invention, to s may be grante or to assist sai Letters Patent	ormation known to me relating to pers, make all rightful oaths, test estrable by said ASSIGNEE, itst aid application including division of therefor or thereon, including d ASSIGNEE, its successors, let of the United States and any and and any and series and any any and any and any and any any any and any any any any and any any any and any any any and any	nicate to said ASSIGNEE, its successors, legal representatives, or a said invention or patent application and that I will execute and tify in any legal proceedings, and perform all other lawful acts successors, legal representatives, or assigns to perfect title to said as and continuations thereof and to any and all Letters Patent that reissues or extensions, in said ASSIGNEE, its successors, or assigns, tal representatives, or assigns in obtaining, reissuing, or enforcing d all patents, utility models, designs or other rights that may be or countries foreign to the United States, for said invention.
		<u>DECLARATION</u>
As a below-na	med inventor, I hereby declare t	hat;
The above-ide	ntified application was made or	authorized to be made by me.
I believe that I	am the original inventor or an	riginal joint inventor of a claimed invention in the application.
	or imprisonment of not more th	stement made in this declaration is punishable under 18 U.S.C. an five (5) years, or both.
	Michael BRUNNER	Date: 21.02.2019

Page 1 of 1

**PATENT REEL: 052546 FRAME: 0919** 

### ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention: CONTROL METHOD AND DUST EXTRACTION MODULE		
Attorney Docket No.:		
This assignment and declaration are directed to (check one):  the attached application;  the application identified by the attorney docket no. and title of invention given above;  United States Application or PCT International Application No. <a href="PCT/EP2017/076425">PCT/EP2017/076425</a> , filed Oct-17-2017.		
ASSIGNMENT		
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below- named inventor I have sold and assigned, and hereby sell and assign, to:		
Name of Assignee: Hilti Aktiengesellschaft Address of Assignee: Feldkircherstr. 100, 9494 Schaan, LIECHTENSTEIN		
(hereinafter ASSIGNEE) all my right, title, and interest in and to the above-identified invention and United States patent application, including: (i) any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted; (ii) all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted; and (iii) all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and all extensions, renewals and reissues thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted.		
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.		
I warrant and covenant that I have the right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.		
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States and any and all patents, utility models, designs or other rights that may be granted in the United States or of any country or countries foreign to the United States, for said invention.		
<u>DECLARATION</u>		
As a below-named inventor, I hereby declare that:		
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.  Signature:		
Inventor: Klaus-Peter BOHN Date: Of. 07. 2019		

**PATENT** REEL: 052546 FRAME: 0920

# ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Inve	CONTROL METHOD AND DUST EXTRACTION MODULE
Attorney Do	cket No.:
the at	ent and declaration are directed to (check one): tached application; plication identified by the attorney docket no. and title of invention given above; d States Application or PCT International Application No. PCT/EP2017/076425, filed Oct-17-2017.
	ASSIGNMENT
	valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below- for I have sold and assigned, and hereby sell and assign, to:
	ignee: Hilti Aktiengesellschaft Assignee: Feldkircherstr. 100, 9494 Schaan, LIECHTENSTEIN
patent applic Patent of the reissues or e of the term of utility model the United S rights derive Convention the country in ASSIGNEE, models, desi without limit invention in to be held ar	ASSIGNEE) all my right, title, and interest in and to the above-identified invention and United States ation, including: (i) any and all divisions or continuations thereof, and in and to any and all Letters United States that may issue on any such application or for said invention, including any and all tensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end refers for which any and all such Letters Patent may be granted; (ii) all applications for patents, and designs which may hereafter be filed for said invention in any country or countries foreign to ates, together with the right to file such applications and the right to claim for the same the priority of from said United States application under the Patent Laws of the United States, the International for the Protection of Industrial Property, or any other international agreement or the domestic laws of an which any such application is filed, as may be applicable, to be held and enjoyed by said its successors, or assigns to the full end of the term or terms for which any and all such patents, utility gens or other rights may be granted; and (iii) all forms of industrial property protection, including, ation, patents, utility models, inventors' certificates and designs which may be granted for said any country or countries foreign to the United States and all extensions, renewals and reissues thereof, denjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which arch patents, utility models, designs or other rights may be granted.
	orize and request the Director of the U.S. Patent and Trademark Office to issue any and all such to said ASSIGNEE, its successors, or assigns in accordance herewith.
	covenant that I have the right to sell and assign the interests herein sold and assigned and that I have and will not execute any document or instrument in conflict herewith.
assigns all in deliver any p necessary or invention, to may be gran or to assist s Letters Pater	enant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or formation known to me relating to said invention or patent application and that I will execute and apers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said said application including divisions and continuations thereof and to any and all Letters Patent that sed therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, aid ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing at of the United States and any and all patents, utility models, designs or other rights that may be a United States or of any country or countries foreign to the United States, for said invention.
	<u>DECLARATION</u>
As a below-	named inventor, I hereby declare that:
The above-i	lentified application was made or authorized to be made by me.
I believe tha	t I am the original inventor or an original joint inventor of a claimed invention in the application.
§ 1001 by fi	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. ne or imprisonment of not more than five (5) years, or both.
Signature:	11.5 mm
Inventor:	Thile HAMMERS Date: 07 145 1 7045

**PATENT** REEL: 052546 FRAME: 0921

### ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention: CONTROL METHOD AND DUST EXTRACTION MODULE		
Attorney Docket No.:		
This assignment and declaration are directed to (check one):  the attached application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No. PCT/EP2017/076425, filed	<u>Oct-17-2017</u> .	
ASSIGNMENT	, and the same of	
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, named inventor I have sold and assigned, and hereby sell and assign, to:	as a below-	
Name of Assignee: Hilti Aktiengesellschaft Address of Assignee: Feldkircherstr. 100, 9494 Schaan, LIECHTENSTEIN		
(hereinafter ASSIGNEE) all my right, title, and interest in and to the above-identified invention and to patent application, including: (i) any and all divisions or continuations thereof, and in and to any and Patent of the United States that may issue on any such application or for said invention, including any reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to fine term or terms for which any and all such Letters Patent may be granted; (ii) all applications for utility models, and designs which may hereafter be filled for said invention in any country or countrie the United States, together with the right to file such applications and the right to claim for the same trights derived from said United States application under the Patent Laws of the United States, the Interconvention for the Protection of Industrial Property, or any other international agreement or the dom the country in which any such application is filled, as may be applicable, to be held and enjoyed by sa ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such models, designs or other rights may be granted; and (iii) all forms of industrial property protection, in without limitation, patents, utility models, inventors' certificates and designs which may be granted for invention in any country or countries foreign to the United States and all extensions, renewals and reit to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms and all such patents, utility models, designs or other rights may be granted.	all Letters / and all o the full end r patents, s foreign to the priority ernational estic laws of id patents, utility acluding, or said ssues thereof	
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.	all such	
I warrant and covenant that I have the right to sell and assign the interests herein sold and assigned are not executed and will not execute any document or instrument in conflict herewith.	nd that I have	
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States and any and all patents, utility models, designs or other rights that may be granted in the United States or of any country or countries foreign to the United States, for said invention.		
<u>DECLARATION</u>		
As a below-named inventor, I hereby declare that:		
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the app		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 § 1001 by fine or imprisonment of not prove than five (5) years, or both	U.S.C.	
Signature:		
Inventor: Markus HARTMANN Date: OZ. OS. 20	<u> </u>	

Page 1 of 1

**PATENT** REEL: 052546 FRAME: 0922

**RECORDED: 05/01/2020**