

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6191185

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZEECO, INC.	06/05/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WELLS FARGO BANK, NATIONAL ASSOCIATION
<b>Street Address:</b>	1525 WEST W.T. HARRIS BLVD
<b>Internal Address:</b>	MAC D1109-019
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28262
<b>PROPERTY NUMBERS Total: 23</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6499990
Patent Number:	6379146
Patent Number:	6626661
Patent Number:	6814570
Patent Number:	6979191
Patent Number:	7670135
Patent Number:	8485010
Patent Number:	9138791
Patent Number:	9222668
Patent Number:	9267686
Patent Number:	9593847
Patent Number:	9593848
Application Number:	14991258
Application Number:	15946777
Application Number:	16013625
Application Number:	16540355
Application Number:	16568519
Application Number:	16875194
Application Number:	16875286

Property Type	Number
Application Number:	16875491
PCT Number:	US2019037951
PCT Number:	US2019025508
PCT Number:	US2016069466

**CORRESPONDENCE DATA**

**Fax Number:** (214)745-5390

*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:** 2147455612

**Email:** ngraham@winstead.com

**Correspondent Name:** NANCY GRAHAM C/O WINSTEAD PC

**Address Line 1:** 2728 N. HARWOOD STREET

**Address Line 2:** SUITE 500

**Address Line 4:** DALLAS, TEXAS 75201

<b>ATTORNEY DOCKET NUMBER:</b>	4839-2534
<b>NAME OF SUBMITTER:</b>	NANCY GRAHAM
<b>SIGNATURE:</b>	/Nancy Graham/
<b>DATE SIGNED:</b>	07/08/2020

**Total Attachments: 10**

source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page1.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page2.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page3.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page4.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page5.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page6.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page7.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page8.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page9.tif  
source=7. Patent Security Agreement - Zeeco May 2020 4840-6778-5405 v#page10.tif

June 5, 2020

PATENT SECURITY AGREEMENT

Zeeco, Inc., an Oklahoma corporation ("Grantor"), owns the Patents and patent applications listed on Schedule 1 annexed hereto, and is a party to the Licenses listed on Schedule 1 annexed hereto; and

WHEREAS, pursuant to the terms of the Security Agreement dated as of June 5, 2020 (as said Agreement may be amended and in effect from time to time, the "Security Agreement"; terms used herein but not defined herein shall have the meanings given to them in the Security Agreement), among the Grantor, certain subsidiaries of the Grantor, and Wells Fargo Bank, National Association, as administrative agent ("Secured Party"), Grantor has granted to Secured Party a security interest in substantially all the assets of Grantor, including all right, title and interest of Grantor in, to and under all now owned and hereafter acquired Patents, patent applications and Licenses, and all products and proceeds thereof to secure the payment of all Secured Obligations;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor does hereby grant to Secured Party a continuing security interest in all of Grantor's right, title and interest in, to and under the following (all of the following items or types of property being herein collectively referred to as the "Patent Collateral"), whether presently existing or hereafter created or acquired:

(1) (a) all letters patent of any Governmental Authority, all registrations and recordings thereof, and all applications for letters patent of any Governmental Authority, and (b) all reissues, continuations, divisions, continuations-in-part, renewals, or extensions thereof, and the inventions disclosed or claimed therein, including the right to make, use and/or sell the inventions disclosed or claimed therein (the "Patents"), each of which is set forth herein on Schedule 1 annexed hereto;

(2) any written agreement, now or hereafter in effect, granting to any third party any right to make, use or sell any invention on which a Patent, now or hereafter owned by such Grantor or which such Grantor otherwise has the right to license, is in existence, or granting to such Grantor any right to make, use or sell any invention on which a Patent, now or hereafter owned by any third party, is in existence, and all rights of such Grantor under any such agreement (each a "License"), including, without limitation, each License listed on Schedule 1 annexed hereto;

(3) related documentation, registrations and franchises, and all additions, improvements and accessions to, and books and records describing or used in connection with, any of the foregoing; and

(4) all Accessions and Proceeds of the foregoing.

Grantor and Secured Party, on behalf of the holders of the Secured Obligations, hereby acknowledge and agree that the security interest in the patents and patent applications set forth on Schedule 1 attached hereto (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any patent or patent application.

This security interest is granted in conjunction with the security interests granted to Secured Party pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of Secured Party with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

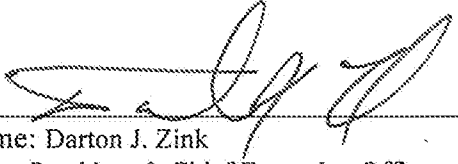
[Signatures on Following Pages.]

IN WITNESS WHEREOF, Grantor has caused this Patent Security Agreement to be duly executed by its duly authorized officer thereunto as of the first date written above.

Acknowledged:

GRANTOR:

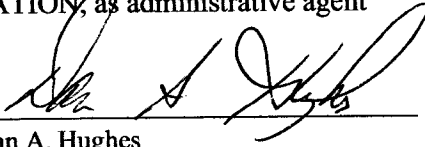
ZEECO, INC.

By:   
Name: Darton J. Zink  
Title: President & Chief Executive Officer

SECURED PARTY:

WELLS FARGO BANK, NATIONAL  
ASSOCIATION, as administrative agent

By: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'Dan A. Hughes', is written over a horizontal line.

Name: Dan A. Hughes

Title: Vice President

# Zeeco, Inc. Summary of Patents

Date: June 3, 2020

Status,  
Filing Date,

Case Type	Country	Title	App. Serial No., Pub. No. & Date	Pat/Reg No., Issue/Reg Date	Next Reminder	Due Date
US Patent	US	Title: LOW NOX BURNER APPARATUS AND METHOD	Issued Filed: 3/7/2001 Serial #: 09/800,704	Issued: 12/31/2002 Pat #: 6,499,990 Expires: 3/7/2023		
US Patent	US	Title: FLOW DIVIDER FOR RADIANT WALL BURNER	Issued Filed: 4/9/2001 Serial #: 09/828,722	Issued: 4/30/2002 Pat #: 6,379,146 Expires: 4/9/2023		
US Patent	US	Title: FUEL EJECTOR AND METHOD FOR REDUCED NOX EMISSIONS	Issued Filed: 11/1/2001 Serial #: 10/604,055	Issued: 9/30/2003 Pat #: 6,626,661 Expires: 11/1/2021		
US Patent	US	Title: VENTURI MIXER AND COMBUSTION ASSEMBLY	Issued Filed: 6/2/2003 Serial #: 10/452,857	Issued: 11/9/2004 Pat #: 6,814,570 Expires: 6/2/2023		
US Patent	US	Title: COMBUSTION APPARATUS AND METHOD FOR RADIATING WALL HEATING SYSTEM	Issued Filed: 6/17/2004 Serial #: 10/869,986	Issued: 12/27/2005 Pat #: 6,979,191 Expires: 6/17/2024		
US Patent	US	Title: BURNER AND METHOD FOR INDUCTION OF FLUE GAS	Issued Filed: 7/13/2005 Serial #: 11/180,387	Issued: 3/2/2010 Pat #: 7,670,135 Expires: 3/2/2027	11.5 year maintenance fee due 9/2/2021 - US	2/2/2021
US Patent	US	Title: METHOD AND APPARATUS FOR INSTALLING A RETRACTABLE THERMOCOUPLE	Issued Filed: 12/6/2010 Serial #: 12/960,613	Issued: 7/16/2013 Pat #: 8,485,010 B1 Expires: 1/17/2032	7.5 Year Maintenance Fee Due-US	1/16/2021
US Patent	US	Title: APPARATUS FOR INSTALLING A RETRACTABLE THERMOCOUPLE	Issued Filed: 7/3/2013 Serial #: 13/935,152	Issued: 9/22/2015 Pat #: 9,138,791 Expires: 6/15/2031	7.5 Year Maintenance Fee Due-US	3/22/2023

# Zeeco, Inc. Summary of Patents

Date: June 3, 2020

Case Type	Country	Title	Status	Filing Date	App. Serial No.	Pub. No. & Date	Pat/Reg No.	Issue/Reg. Date	Next Reminder	Due Date	
US Patent	US	Title: LOW NOX BURNER APPARATUS AND METHOD	Issued	Filed: 11/9/2012	Pat #: 9,222,668	Serial #: 13,672,791	Expires: 12/20/2033	Pat #: 9,593,847	Expires: 3/26/2035	7.5 Year Maintenance Fee Due-US	6/29/2023
PCT	PCT	Title: LOW NOX BURNER APPARATUS AND METHOD	Done	Filed: 11/9/2012	Serial #: PCT/2012/064360	Pub #: WO 2013/071048 A3	Pub Date: 5/16/2013				
Foreign Patent	Brazil	Title: LOW NOX BURNER APPARATUS AND METHOD	Pending	Filed: 5/12/2014	Serial #: BR012014 0114374					Pay Maintenance Fee Foreign Country-EPO	11/30/2020
Foreign Patent	EPO	Title: LOW NOX BURNER APPARATUS AND METHOD	Pending	Filed: 6/3/2014	Serial #: 12 848 4573	Pub #: 2 780 634	Pub Date: 9/24/2014				
Foreign Patent	Mexico	Title: LOW NOX BURNER APPARATUS AND METHOD	Granted	Filed: 5/7/2014	Serial #: MX/a/2014/005569	Granted: 8/29/2017	Working DDL - MEXICO	Pat #: 350174	Expires: 11/9/2032		08/29/2020
US Patent	US	Title: APPARATUS AND METHOD FOR MONITORING FLARES AND FLARE PILOTS	Issued	Filed: 3/7/2013	Pat #: 9,267,686	Serial #: 13,789,004	Expires: 4/17/2034	Pat #: 9,593,847	Expires: 3/26/2035	7.5 Year Maintenance Fee Due-US	8/23/2023
US Patent	US	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Issued	Filed: 3/5/2014	Pat #: 9,593,847	Serial #: 14/197,333	Expires: 3/26/2035			3.5 Year Maintenance Fee Due-US	9/14/2020



# Zecco, Inc. Summary of Patents

Date: June 3, 2020

Case Type	Country	Title	Status,		Next Reminder	Due Date
			Filing Date,	App. Serial No., Pub. No. & Date		
Foreign Patent	EPO	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Granted Filed: 3/22/2015 Serial #: 15157231.0 Pub #: 2916074 Pub Date: 9/9/2015	Granted: 1/4/2017 Pat #: 2916074	Pay Maintenance Fee Foreign Country-EPO	3/31/2022
Foreign Patent	EPO - Austria	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - Belgium	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - France	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - Germany	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - Italy	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - Luxembourg	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - Netherlands	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
Foreign Patent	EPO - Spain	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021

PATENT

REEL: 053155 FRAME: 0439

# Zeeco, Inc. Summary of Patents

Date: June 3, 2020

Case Type	Country	Title	Status, Filing Date, App. Serial No., Pub. No. & Date	Pat./Reg. No., Issue/Reg. Date	Next Reminder	Due Date
Foreign Patent	EPO - U.K.	Title: FUEL-FLEXIBLE BURNER APPARATUS AND METHOD FOR FIRED HEATERS	Pending		Pay Maintenance Fee Foreign Country-EPO	3/31/2021
US Patent	US	Title: NON-SYMMETRICAL LOW NOX BURNER APPARATUS AND METHOD	Issued Filed: 6/9/2014 Serial #: 14/299,820 Pub #: 20150354811 Pub Date: 12/10/2015	Issued: 3/14/2017 Pat #: 9,593,848 Expires: 7/8/2035	3.5 Year Maintenance Fee Due-US	9/14/2020
PCT	PCT	Title: NON-SYMMETRICAL LOW NOX BURNER APPARATUS AND METHOD	Done Filed: 6/9/2014 Serial #: PCT/US2015/029048 Pub #: WO 2015/191182 Pub Date: 12/17/2015			
Foreign Patent	EPO	Title: NON-SYMMETRICAL LOW NOX BURNER APPARATUS AND METHOD	Pending Filed: 1/4/2017 Serial #: 15806798.3		Pay Maintenance Fee Foreign Country-EPO	5/31/2020
US Patent	US	Title: LOW NOX BURNER APPARATUS AND METHOD (GLSF FREE JET UTERA LOW NOX BURNER)	Pending Filed: 1/8/2016 Serial #: 14/991,258 Pub #: 20170198962 Pub Date: 7/13/2017		Respond to Final Office Action-US	6/30/2020
PCT	PCT	Title: LOW NOX BURNER APPARATUS AND METHOD	Done Filed: 12/30/2016 Serial #: PCT/US2016/069466 Pub #: WO 2017/120144 Pub Date: 7/13/2017			
Foreign Patent	Canada	Title: LOW NOX BURNER APPARATUS AND METHOD	Pending Filed: 7/4/2018 Serial #: 3,009,668		Pay Canadian Maintenance Fee-CANADA	12/30/2020

# Zecco, Inc. Summary of Patents

Date: June 3, 2020

Case Type	Country	Title	Status, Filing Date, App. Serial No., Pub. No. & Date	Pat./Reg No., Issue/Reg Date	Next Reminder	Due Date
Foreign Patent	China	Title: LOW/NOX BURNER APPARATUS AND METHOD	Pending Filed: 7/6/2018 Serial #: 201688078267.X Pub #: 108603659 Pub Date: 9/28/2018			12/31/2020
Foreign Patent	EPO	Title: LOW NOX BURNER APPARATUS AND METHOD	Pending Filed: 7/2/2018 Serial #: 168842342		Pay Maintenance Fee Foreign Country-EPO	
Foreign Patent	India	Title: LOW NOX BURNER APPARATUS AND METHOD	Pending Filed: 7/2/2018 Serial #: 201837024572			
US Patent	US	Title: LOW NOX BURNER AND FLOW MOMENTUM ENHANCING DEVICE	Pending Filed: 4/6/2018 Serial #: 15946,777 Pub #: 20190309942 Pub Date: 10/10/2019		Response to Final Office Action	07/6/2020
PCT	PCT	Title: LOW NOX BURNER AND FLOW MOMENTUM ENHANCING DEVICE	Pending Filed: 4/3/2019 Serial #: PCT/US2019/0255 08 Pub #: None Pub Date: 10/10/2019		Enter Natl Ph - Ch 1-PCT	10/6/2020
US Patent	US	Title: PORTABLE ELECTRICAL ENERGY PRODUCED FROM WASTE GAS OR LIQUID	Pending Filed: 6/20/2018 Serial #: 16013,625			
PCT	PCT	Title: PORTABLE ELECTRICAL ENERGY PRODUCED FROM WASTE GAS OR LIQUID	Pending Filed: 6/19/2019 Serial #: PCT/US2019/0379		Enter Natl Ph - Ch 1-PCT	12/20/2020

# Zeeco, Inc. Summary of Patents

Date: June 3, 2020

Case Type	Country	Title	Status, Filing Date,		Pat/Reg No., Issue/Reg Date	Next Reminder	Due Date
			App. Serial No., Pub. No. & Date	Foreign Filing DDL			
US Patent	US	Title: LOW CONSUMPTION ASSISTED FLARE APPARATUS AND METHOD	Pending	Filed: 8/14/2019 Serial #: 16/540,355		Foreign Filing DDL	08/14/2020
US Patent	US	Title: LOW NOX BURNER APPARATUS AND METHOD (Re: Multiple Ledge File Assembly)	Pending	Filed: 9/12/2019 Serial #: 16/568,519		Foreign Filing DDL	09/12/2020
US Patent	US	Title: PLUG-RESISTANT BURNER TIP AND METHOD	Pending	Filed: 5/15/2020 Serial #: 16/875,194			
US Patent	US	Title: PLUGGING RESISTANT FREE-JET BURNER AND METHOD	Pending	Filed: 5/15/2020 Serial #: 16/875,286			
US Patent	US	Title: BURNER FLAME STABILIZATION METHOD AND SYSTEM	Pending	Filed: 5/15/2020 Serial #: 16/875,491			

PATENT

REEL: 053155 FRAME: 0442

RECORDED: 07/08/2020