

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM651158

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
SILICON VALLEY BANK		05/27/2021	Corporation: CALIFORNIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	PICARRO, INC.		
<b>Street Address:</b>	3105 PATRICK HENRY DRIVE		
<b>City:</b>	SANTA CLARA		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95054		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>PROPERTY NUMBERS Total: 1</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4471354	P-CUBED	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	4048853900		
<i>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.</i>			
<b>Phone:</b>	4048853868		
<b>Email:</b>	rusty.close@troutman.com		
<b>Correspondent Name:</b>	CHRISTOPHER CLOSE		
<b>Address Line 1:</b>	TROUTMAN PEPPER LLP		
<b>Address Line 2:</b>	600 PEACHTREE STREET NE, SUITE 3000		
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30308-2216		
<b>ATTORNEY DOCKET NUMBER:</b>	220763.003277		
<b>NAME OF SUBMITTER:</b>	Christopher C Close, Jr.		
<b>SIGNATURE:</b>	/Christopher C. Close Jr./		
<b>DATE SIGNED:</b>	06/02/2021		
<b>Total Attachments: 13</b>			
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**RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY**

THIS RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY (“**Release**”) is made as of the 27<sup>th</sup> day of May, 2021, by SILICON VALLEY BANK, a California corporation (“**Bank**”).

WHEREAS, in connection with certain loan documents, Bank and PICARRO, INC., a Delaware corporation (“**Grantor**”) entered into certain loan and security agreements (as amended, supplemented, or otherwise modified from time to time, the “**Agreements**”) for the purpose of securing certain obligations of Grantor to Bank;

WHEREAS, pursuant to the Agreements, Grantor granted the Bank, for the benefit of the Bank, a security interest in all of the Patents, Trademarks, and Copyrights (as defined in the Agreements) (collectively hereinafter the “**Intellectual Property**”), including the Patents identified on Exhibit A and the Trademarks identified on Exhibit B, attached hereto, and pledged and mortgaged (but did not transfer title to) the Intellectual Property to Bank, and those security interests were recorded with the US Patent and Trademark Office, with respect to patents, at reel/frame 049020/0796, 042238/0948, 027771/0576 and 022416/0005, and with respect to trademarks, at reel/frame 4725/0251; and

WHEREAS, Bank wishes to release its security interest in the Intellectual Property.

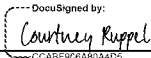
NOW, THEREFORE, for valuable consideration and pursuant to the terms and conditions set forth in the Agreements:

The Bank hereby terminates and releases its security interest in the Intellectual Property, including without limitation, the Patents and Trademarks identified on Exhibits A and B attached hereto, and the Bank hereby assigns and transfers to Grantor, without any representation, warranty, or recourse whatsoever, the Bank’s entire right, title, and interest in and to the Intellectual Property, effective as of the date set forth above.

At Grantor’s sole cost and expense, Bank hereby agrees to execute such further instruments and documents and perform such further acts as Grantor may deem reasonably necessary to secure to Grantor the rights herein conveyed.

“BANK”

SILICON VALLEY BANK

By:  \_\_\_\_\_  
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Name: Courtney Ruppel

Title: Vice President

EXHIBIT A

## Patents

No.	Description	Application Number	Registration Number
1.	Self-Referencing Cavity Enhanced Spectroscopy (SRCES) Systems and Methods		9,778,110 (10/03/2017)
2.	Systems and Methods for Likelihood-Based Mapping of Areas Surveyed for Gas Leaks Using Mobile Survey Equipment		10,126,200 (11/13/2018)
3.	Survey Area Indicators for Gas Leak Detection		9,645,039 (05/09/2017)
4.	Gas Detection Systems and Methods with Search Directions		9,719,879 (08/01/2017)
5.	Systems and Methods for Assembling a Collection of Peaks Characterizing a Gas Leak Source and Selecting Representative Peaks for Display		9,823,231 (11/21/2017)
6.	Methods for Gas Leak Detection and Localization in Populated Areas Having a Distance Estimate	16/193,688 (11/16/2018)	

No.	Description	Application Number	Registration Number
7.	Leak Position Estimation Method Using Wind Direction and Correlation Measurements at Isolated Spatial Points in a Plume		9,696,245 (07/04/2017)
8.	Methods for Gas Leak Detection and Localization in Populated Areas Using Chemical Tracer Measurements		10,161,825 (12/25/2018)
9.	Emission Quantification Using a Line Scan of Gas Concentration Data	15/385,233 (12/20/2016)	
10.	Gas Detection Systems and Methods Using Measurement Position Uncertainty Representations	14/948,287 (11/21/2015)	
11.	Cavity Ring Down Spectroscopy Using Measured Backward Mode Data		9,116,042 (08/25/2015)
12.	Ring-Down Binning in FSR Hopping Mode		9,267,880 (02/23/2016)
13.	Gas Analysis System Providing Simultaneous Analysis and Multi-Point Sample Acquisition		9,274,031 (03/01/2016)

No.	Description	Application Number	Registration Number
14.	Methods for Rapid Gas Sampling with High Horizontal Spatial Resolution in a Manner Suitable for Subsequent Constituent Gas Analysis		9,310,346 (04/12/2016)
15.	Systems and Methods for Determining a Gas Leak Detection Survey Area Boundary		9,322,735 (04/26/2016)
16.	Methods for Gas Leak Detection and Localization in Populated Areas Using Isotope Ratio Measurements		9,739,758 (08/22/2017)
17.	Plume Estimation Using Correlation Measurements at Isolated Spatial Points		9,470,517 (10/18/2016)
18.	Methods for Gas Leak Detection and Localization in Populated Areas Using Horizontal Analysis		9,482,591 (11/01/2016)
19.	Methods for Gas Leak Detection and Localization in Populated Areas Using Multi-Point Analysis		9,500,556 (11/22/2016)
20.	Leak Distance Estimation Method Using Correlation Measurements at Isolated Spatial Points in the Plume		9,606,029 (03/28/2017)

No.	Description	Application Number	Registration Number
21.	Liquid Sample Evaporator for Vapor Analysis		8,181,544 (05/22/2012)
22.	CGA Optical Parametric Oscillator		6,535,327 (03/18/2003)
23.	Surface-Emitting Semiconductor Laser		6,658,034 (12/02/2003)
24.	Modified Tunable Acousto-Optic Filter		6,741,381 (05/25/2004)
25.	Laser with Reduced Parasitic Etalon Effects		6,792,010 (09/14/2004)
26.	Apparatus and Method for Determining Wavelength from Coarse and Fine Measurements		6,859,284 (02/22/2005)
27.	Laser with Reflective Etalon Tuning Element		6,959,023 (10/25/2005)
28.	Laser Tuning by Spectrally Dependent Spatial Filtering		6,959,024 (10/25/2005)

No.	Description	Application Number	Registration Number
29.	Laser with Reflective Etalon Tuning Element		6,967,976 (11/22/2005)
30.	Laser Tuning by Spectrally Dependent Spatial Filtering		6,970,484 (11/29/2005)
31.	Apparatus and Method for Maintaining Uniform and Stable Temperature for Cavity Enhanced Optical Spectroscopy		7,050,170 (05/23/2006)
32.	Wavelength Control for Cavity Ringdown Spectrometer		7,106,763 (09/12/2006)
33.	Flow Cell for Optical Detection Having Reduced Sensitivity to Refractive Index Variation		7,116,423 (10/03/2006)
34.	Cavity Enhanced Optical Detector		7,154,595 (12/26/2006)
35.	Method for the Precise Measurement of the Wavelength of Light		7,259,856 (08/21/2007)



No.	Description	Application Number	Registration Number
36.	Method for Detecting a Gaseous Analyte Present as a Minor Constituent in an Admixture		7,265,842 (09/04/2007)
37.	Wavelength Measurement Method based on Combination of Two Signals in Quadrature		7,420,686 (09/02/2008)
38.	Cavity Enhanced Optical Spectroscopy with a Cavity Having a Predetermined Deviation from a Mode Degeneracy Condition		7,535,573 (05/19/2009)
39.	Method and Apparatus for Enhancing the Accuracy of CRDS Measurements		7,646,485 (01/12/2010)
40.	Optical System Including a Weak Lens and a Beam Translation Plate for Selectively Coupling to the Lowest Order Mode of an Optical Resonator		7,777,886 (08/17/2010)
41.	Mitigation of Gas Memory Effects in Gas Analysis		7,810,376 (10/12/2010)

No.	Description	Application Number	Registration Number
42.	Calibration of Frequency Monitors having Dual Etalon Signals in Quadrature		7,813,886 (10/12/2010)
43.	Method and Apparatus for Enhancing the Accuracy of CRDS Measurements		8,264,688 (09/11/2012)
44.	Cavity Ring Down Spectroscopy Using Measured Backward Mode Data		8,537,362 (09/17/2013)
45.	Regular, Stable Optical Frequency Scale for Cavity Enhanced Optical Spectroscopy		8,982,352 (03/17/2015)
46.	System and Method for Controlling the Light Source of a Cavity Ringdown Spectrometer	10/845,338 (05/13/2004)	
47.	Method and Apparatus for Adjusting the Path of an Optical Beam	10/910,756 (08/03/2004)	
48.	Method and Apparatus for Adjusting the Path of an Optical Beam	10/770,141 (02/02/2004)	
49.	Method for Increasing the Dynamic Range of a Cavity Enhanced Optical Spectrometer	10/966,315 (10/14/2004)	

No.	Description	Application Number	Registration Number
50.	Continuously Tunable External Cavity Diode Laser	11/018,632 (12/21/2004)	
51.	Sample Preparation for Gas Analysis Using Inductive Heating	12/925,933 (11/02/2010)	
52.	Rotary Valve for Sample Handling in Fluid Analysis	12/928,506 (12/13/2010)	
53.	Methods for Gas Leak Detection and Localization in Populated Areas Using Isotope Ratio Measurements		9,618,417 (04/11/2017)
54.	Gas Detection Systems and Methods Using Search Area Indicators		9,557,240 (01/31/2017)
55.	Systems and Methods for Likelihood-Based Detection of Gas Leaks Using Mobile Survey Equipment		9,599,597 (03/21/2017)
56.	Systems and Methods for Likelihood-Based Detection of Gas Leaks Using Mobile Survey Equipment		9,599,529 (03/21/2017)
57.	Gas Leak Detection and Event Selection Based on Spatial Concentration Variability and Other Event Properties	14/326,195 (07/08/2014)	

No.	Description	Application Number	Registration Number
58.	Scanned 1-D Gas Analysis Camera Having a Line Pixel Weighted for Wind Speed	14/534,022 (11/05/2014)	
59.	Scanned 1-D Gas Plume Profile and Flux Measurements Using Multiple Analysis Instruments	14/532,999 (11/04/2015)	
60.	Spectroscopic Quantification of Extremely Rare Molecular Species in the Presence of Interfering Optical Absorption		9,645,077 (05/09/2017)
61.	Methods for Gas Leak Detection and Localization in Populated Areas Using Two or More Tracer Measurements		10,113,997 (10/30/2018)
62.	Methods for Gas Leak Detection and Localization in Populated Areas Using Isotope Ratio Measurements	PCT US2013065723 (10/18/2013)	
63.	Methods for Gas Leak Detection and Localization in Populated Areas Using Horizontal Analysis	PCT US2013065709 (10/18/2013)	

No.	Description	Application Number	Registration Number
64.	Methods for Gas Leak Detection and Localization in Populated Areas Using Multipoint Analysis	PCT US2013065738 (10/18/2013)	
65.	Gas Detection Systems and Methods Using Measurement Position Uncertainty Representations	PCT US2015062038 (11/21/2015)	
66.	Spectroscopic Quantification of Extremely Rare Molecular Species in the Presence of Interfering Optical Absorption	PCT US2015036927 (06/22/2015)	
67.	Laser with Reflective Etalon Tuning Element	10/938,270 (09/10/2004)	
68.	Method and Apparatus for Improved Cavity Ring-Down Spectroscopy	60/776,396 (02/23/2006)	
69.	Combined Gas Chromatography – Chemical Conversion – Cavity Enhanced Absorption Spectroscopy	61/190,987 (09/03/2008)	
70.	Continuous Flow Vaporization	61/343,589 (04/29/2010)	

No.	Description	Application Number	Registration Number
71.	Evaporation Zone for Use with Syringe Needle	61/461,034 (01/11/2011)	
72.	Methods for Gas Leak Detection and Localization in Populated Areas	61/627,915 (10/20/2011)	
73.	Methods for Rapid Gas Sampling with High Horizontal Spatial Resolution in a Manner Suitable for Subsequent Constituent Gas Analysis	61/630,770 (12/15/2011)	

EXHIBIT B

Trademarks

No.	Description	Application Number	Registration Number
1	P-CUBED		4,471,354 (01/21/2014)
2	PICARRO	EC002803914 (07/10/2002)	