

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI933980

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
SILICON VALLEY BANK, A DIVISION OF FIRST-CITIZENS BANK & TRUST COMPANY	03/24/2025
RECEIVING PARTY DATA	
Company Name:	ADHAWK MICROSYSTEMS INC.
Street Address:	410 Albert Street, Unit 102
City:	Waterloo
State/Country:	CANADA
Postal Code:	N2L 3V3
PROPERTY NUMBERS Total: 40	
Property Type	Number
Patent Number:	8402561
Application Number:	13760725
Application Number:	12579872
Application Number:	61864105
Application Number:	61864115
Patent Number:	9267962
Application Number:	62088980
Application Number:	62090705
Application Number:	62181276
Application Number:	14966733
Patent Number:	10213105
Patent Number:	10317672
Application Number:	62345926
Application Number:	62448577
Application Number:	10824229
Patent Number:	11379035
Patent Number:	11435823
Patent Number:	11914768
Patent Number:	6679055
Patent Number:	6698201

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Property Type	Number
Patent Number:	6718764
Application Number:	62611477
Patent Number:	11048327
Patent Number:	11782504
Application Number:	62610493
Patent Number:	11262577
Application Number:	17681503
Application Number:	62612086
Patent Number:	10908683
Application Number:	62957696
Application Number:	63117913
Application Number:	63134467
Application Number:	63150312
Patent Number:	11586285
Patent Number:	11816259
Application Number:	63217514
Application Number:	63227160
Application Number:	18201950
Application Number:	18225008
Application Number:	18373921

CORRESPONDENCE DATA

Fax Number: 5148789641

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.

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Email: IP-montreal@gowlingwlg.com

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ATTORNEY DOCKET NUMBER:	K0574931
NAME OF SUBMITTER:	Genevieve Boucher
SIGNATURE:	/Genevieve Boucher/
DATE SIGNED:	04/03/2025

Total Attachments: 7

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REEL: 070730 FRAME: 0779

INTELLECTUAL PROPERTY SECURITY RELEASE

This Intellectual Property Security Release is made this 24th day of March, 2025, by **SILICON VALLEY BANK, A DIVISION OF FIRST-CITIZENS BANK & TRUST COMPANY** (“Bank”) in favour of **ADHAWK MICROSYSTEMS INC.** (“AdHawk”).

In exchange for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Bank hereby absolutely and unconditionally releases and forever discharges any and all security, security interests, mortgages, hypothecs, liens, encumbrances and charges granted in favour of the Bank against the intellectual property of AdHawk pursuant to the Intellectual Property Security Agreement dated March 8, 2024 (“Security”), including the intellectual property listed on Schedule A and, for greater certainty, including any intellectual property in the name of ICSPi against which the Intellectual Property Security Agreement was registered.

The Bank authorizes Gowling WLG (Canada) LLP and any of its agents, employees or representatives to discharge or cause to be discharged all Security.

The Bank agrees to further execute any other documents that may be required by national intellectual property offices to record this Intellectual Property Security Release in order to fully discharge all Security.

SILICON VALLEY BANK, A DIVISION OF FIRST-CITIZENS BANK & TRUST COMPANY

Signature:

DocuSigned by:
Madeline Miles
EBC3B0B0B346474

Name:

Madeline Miles

Title:

Special Assets Officer I

SCHEDULE A

Intellectual Property

See attached.

SCHEDULE A
Intellectual Property
Patents

United States

Description	Serial Number	Application Date	Issuance Date	Next Maintenance Date	Expiry Date	Status	Current Owner of Record
Mems actuator device with integrated temperature sensors	8,402,561	15-Oct-2009	19-Mar-2013	19-Sep-2024	18-Mar-2031	Issued	AdHawk Microsystems
Mems actuator device with integrated temperature sensors	13/760,725	6-Feb-2013				Abandoned	
Mems actuator device with integrated temperature sensors	12/579,872	15-Oct-2009				Abandoned	
High-Q Flexural Resonator	61/864,105	9-Aug-2013		Converted as Scanning Probe Microscope Comprising an Isothermal Actuator			ICSPI
Torsional Resonant Cantilever	61/864,115	9-Aug-2013		Converted as Scanning Probe Microscope Comprising an Isothermal Actuator			ICSPI
Scanning Probe Microscope Comprising an Isothermal Actuator	9,267,962	11-Aug-2014	23-Feb-2016	23-Aug-2023	11-Aug-2034	Issued	ICSPI
Electro-Thermo-Mechanical Optical Scanner Suitable for Display, Imaging, or Object Tracking Applications	Unpublished	8-Dec-2014				Abandoned	
Electro-Thermo-Mechanical Optical Scanner Suitable for Display, Imaging, or Object Tracking Applications	62/090,705	11-Dec-2014		Collectively converted as Eye-Tracking System and Method Therefor			AdHawk Microsystems
Near-Eye Display and Method Therefor	62/181,276	18-Jun-2015					AdHawk Microsystems
System for Tracking Eye Position and Method Therefor	14/966,733	11-Dec-2015					AdHawk Microsystems
Eye-Tracking System and Method Therefor (scanning systems with non-imaging discrete detectors for corneal vector determination)	10,213,105	11-Dec-2015	26-Feb-2019	26-Aug-2026	25-Dec-2035	Issued	AdHawk Microsystems

Description	Serial Number	Application Date	Issuance Date	Next Maintenance Date	Expiry Date	Status	Current Owner of Record
Eye-Tracking System and Method Therefor (predicting saccade end-point)	10,317,672	6-Jun-2017	11-Jun-2019	11-Dec-2026	11-Dec-2035	Issued	AdHawk Microsystems
Eye and Gesture Tracking with a MEMS scanning diffractive optic element	62/345,926	6-Jun-2016				Abandoned	
System and method for resonant eye-tracking	61/864,115	20-Jan-2017		Converted as System and method for resonant eye-tracking			AdHawk Microsystems
System and method for resonant eye-tracking (two dimensional scanning systems and operating about a bias point)	10,824,229	20-Jan-2018	3-Nov-2020	3-May-2024	15-Feb-2038	Issued	AdHawk Microsystems
System and method for resonant eye-tracking (corneal glint detection with 2-axis resonant scanning systems based on timing of reflected signal)	11,379,035	2-Nov-2020	5-Jul-2022	5-Jan-2026	20-Jan-2038	Issued	AdHawk Microsystems
Eye-tracker with improved beam scanning and method therefor	11,435,823	6-Jan-2021	6-Sep-2022	5-Mar-2026	20-Jan-2038	Issued	AdHawk Microsystems
Resonant Light Scanner Having Drive-Frequency Control Based on an Electrical Parameter	11,914,768	27-Jul-2022				Issued	AdHawk Microsystems
Electrothermal quadmorph microactuator	6,679,055	31-Jan-2002	20-Jan-2004		4-Feb-2022	Expired	AdHawk Microsystems
Cascaded bimorph rotary actuator	6,698,201	5-Jan-2002	2-Mar-2004		5-Jun-2022	Expired	AdHawk Microsystems
System and method for microstructure positioning using metal yielding	6,718,764	28-Jan-2002	13-Apr-2004		9-Aug-2022	Expired	AdHawk Microsystems
Eye and Gesture Tracking System and Method Therefor	62/611,477	28-Dec-2017		Converted as Timer-based eye-tracking			AdHawk Microsystems
Timer-based eye-tracking (pulse-width based tracking with lissajous scanning)	11,048,327	27-Dec-2018	29-Jun-2021	29-Dec-2024	27-Aug-2039	Issued	AdHawk Microsystems
Timer-based eye-tracking (determining features from pulse thresholds including pupil size and position)	11,782,504	10-Jun-2021	10-Oct-2023	10-Apr-2027	07-July-2039	Issued	AdHawk Microsystems

Description	Serial Number	Application Date	Issuance Date	Next Maintenance Date	Expiry Date	Status	Current Owner of Record
Packaging for compact object-scanning modules (compact packaging concepts)	62/610,493	26-Dec-2017		Converted as Packaging for compact object-scanning modules			AdHawk Microsystems
Packaging for compact object-scanning modules (packaging a light-source, mirror and optical element with a transparent aperture)	11,262,577	26-Dec-2018	1-Mar-2022	1-Sep-2025	2-May-2040	Issued	AdHawk Microsystems
Advanced packaging for compact object-scanning modules	17/681,503	25-Feb-2022				Pending	AdHawk Microsystems
Method for Eye-Tracker Calibration Using the Vestibulo-Ocular Reflex	62/612,086	29-Dec-2017		Converted as Eye-tracking calibration			AdHawk Microsystems
Eye-tracking calibration	10,908,683	31-Dec-2018	2-Feb-2021	2-Aug-2024	20-Apr-2039	Issued	AdHawk Microsystems
Swept-Angle Laser Scanning Eye Tracking	62/957,696	6-Jan-2020				Abandoned	
Eye-Tracking Apparatus and Method for Evaluating Eye-Tracking	Unpublished	24-Nov-2020				Abandoned	
Apparatus and Method for Autophase Correction of a Resonant-Scanner-Based Eye Tracker	63/134,467	6-Jan-2021		Converted by incorporating into Eye-tracker with improved beam scanning and method therefor			AdHawk Microsystems
Methods for forming Images of Eye Features Using a Non-imaging, Scanning, MEMS-based Eye-Tracking	63/150,312	17-Feb-2021		Converted as Methods and Systems for forming Images of Eye Features Using a Non-imaging, Scanning, MEMS-based Eye-Tracking System			AdHawk Microsystems
Methods and Systems for forming Images of Eye Features Using a Non-imaging, Scanning, MEMS-based Eye-Tracking System	11,586,285	16-Feb-2022	21-Feb-2023	21-Aug-2026	16-Feb-2042	Issued	AdHawk Microsystems
Methods and systems for forming images of eye features using a non-imaging, scanning-MEMS-based eye-tracking system (continuation)	11,816,259	19-Jan-2023	14-Nov-2023	14-May-2027	16-Feb-2042	Issued	AdHawk Microsystems
Vergence Estimation and Gaze Angle Estimation	Unpublished	1-Jul-2021				Abandoned	
Scanning mirror having positional feedback	63/227,160	29-Jul-2021		Converted as Resonant Light Scanner Having Drive-Frequency Control Based on an Electrical Parameter			AdHawk Microsystems

Description	Serial Number	Application Date	Issuance Date	Next Maintenance Date	Expiry Date	Status	Current Owner of Record
Method and Systems for Low-Power Eye Tracking	18/201,950	25-May-2023				Pending	AdHawk Microsystems
Three-dimensional-image-based eye tracking using triangulation	18/225,008	21-Jul-2022				Pending	AdHawk Microsystems
Geometric Estimation and multiple scanner arrangements for timer-based eye tracking	Unpublished	27-Sept-2023				Pending	AdHawk Microsystems

Trademarks

No.	Country	Trademark	Owner Name	Status	Application Number	Application Date	Registration Number	Registration Date	Next Renewal Date
1.	Canada	ADHAWK MICROSYSTEMS	AdHawk Microsystems Inc.	Registered	2088175	01-MAR-2021	1207168	08-NOV-2023	08-NOV-2033
2.	Canada	ADHAWK MICROSYSTEMS & Design	AdHawk Microsystems Inc.	Registered	2088174	01-MAR-2021	1207167	08-NOV-2023	08-NOV-2033
3.	Canada	AdHawk MindLink	AdHawk Microsystems Inc.	Registered	2088173	01-MAR-2021	1207166	08-NOV-2023	08-NOV-2033
4.	U.S.	ADHAWK MICROSYSTEMS (class 42)	AdHawk Microsystems Inc.	Registered	90/533344	18-FEB-2021	6860543	27-SEP-2022	27-SEP-2028
5.	U.S.	AdHawk MindLink	AdHawk Microsystems Inc.	Registered	90/533440	18-FEB-2021	6840469	06-SEP-2022	06-SEP-2028
6.	U.S.	AdHawk Microsystems (stylized with design)	AdHawk Microsystems Inc.	Registered	90/533532	18-FEB-2021	7007040	21-MAR-2023	21-MAR-2029
7.	U.S.	ADHAWK MICROSYSTEMS (class 9)	AdHawk Microsystems Inc.	Registered	97/536384	05-AUG-2022	7199771	24-OCT-2023	24-OCT-2029
8.	U.S.	MindLink Air	AdHawk Microsystems Inc.	Pending	98/195996	25-SEP-2023			
9.	U.S.	MindLink AI	AdHawk Microsystems Inc.	Pending	98/205782	30-SEP-2023			
10.	China	AdHawk MindLink	AdHawk Microsystems Inc.	Registered		16-MAR-2021	54334317	28-SEP-2021	27-SEP-2031
11.	EUIPO	AdHawk MindLink	AdHawk Microsystems Inc.	Registered	18417003	04-MAR-2021	18417003	29-JUN-2021	04-MAR-2031
12.	United Kingdom	AdHawk MindLink	AdHawk Microsystems Inc.	Registered	3622531	07-APR-2021	UK00003622531	24-SEP-2021	07-APR-2031

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