

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7900314

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
REDLINE COMMUNICATIONS INC.	04/04/2023
RECEIVING PARTY DATA	
Name:	AVIAT U.S., INC.
Street Address:	200 PARKER DRIVE
Internal Address:	SUITE C100A
City:	AUSTIN
State/Country:	TEXAS
Postal Code:	78728
PROPERTY NUMBERS Total: 83	
Property Type	Number
Patent Number:	8953503
Patent Number:	8175028
Patent Number:	8799751
Patent Number:	8060811
Patent Number:	9288033
Patent Number:	8743745
Patent Number:	9432174
Patent Number:	9876528
Application Number:	61570357
Application Number:	61740679
Patent Number:	8576752
Patent Number:	8428101
Patent Number:	8976835
Application Number:	13584539
Patent Number:	8786514
Patent Number:	8743013
Intl Reg Number:	DM/847797
Intl Reg Number:	DM/754107
Patent Number:	8564497

Property Type	Number
Patent Number:	9313060
Patent Number:	9426001
Patent Number:	9553746
Patent Number:	9780978
Patent Number:	8750365
Patent Number:	8711921
Patent Number:	8711920
Patent Number:	8805363
Patent Number:	8706109
Patent Number:	9094900
Patent Number:	8886237
Patent Number:	8548466
Application Number:	13970059
Patent Number:	8548516
Patent Number:	9750061
Patent Number:	9468028
Patent Number:	9301305
Patent Number:	9743285
Patent Number:	8891464
Patent Number:	9621200
Application Number:	61934779
Patent Number:	9178540
Patent Number:	9819373
Application Number:	61974920
Patent Number:	9537686
Patent Number:	9692628
Patent Number:	9209848
Application Number:	14170623
Patent Number:	10021577
Patent Number:	9585191
Patent Number:	8634339
Patent Number:	9756650
Patent Number:	9094953
Patent Number:	8494587
Application Number:	14821722
Patent Number:	9742507
Patent Number:	9673915
Patent Number:	9136978

Property Type	Number
Application Number:	13235576
Patent Number:	9706430
Application Number:	61536103
Application Number:	61556250
Patent Number:	9113354
Patent Number:	9769696
Patent Number:	9167474
Patent Number:	7460839
Patent Number:	9794072
Patent Number:	11252581
Patent Number:	7680470
Patent Number:	7586862
Patent Number:	7263335
Application Number:	13528274
Application Number:	18052332
Application Number:	29652257
Patent Number:	11519677
Application Number:	16946661
Application Number:	17303838
Patent Number:	8676193
Patent Number:	8538420
Patent Number:	7509146
Application Number:	17380417
Application Number:	63370502
Application Number:	17728072
Application Number:	17994956

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.

Email: ipadmin@stratford.group
Correspondent Name: STRATFORD GROUP LTD.
Address Line 1: 1072 BRIDLEWOOD DRIVE
Address Line 4: BROCKVILLE, ON, CANADA

NAME OF SUBMITTER:	ELAINE JOHNSON
SIGNATURE:	/Elaine Johnson/
DATE SIGNED:	04/13/2023

Total Attachments: 6

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ASSIGNMENT

WHEREAS, **Redline Communications Inc.**, whose full post office address is **302 Town Centre Blvd, 4th Floor, Markham, Ontario, L3R 0E8, Canada**, owns by assignment inventions as described in the attached Schedule A:


And WHEREAS, **Aviat U.S., Inc.**, whose full post office address is **200 Parker Drive Suite C100A Austin, Texas, 78728, United States**, is desirous of acquiring the entire interest therein;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assignees, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

I/We hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

ASSIGNOR:

Redline Communications Inc.

By: _____


Name: Erin Boase

Title: GC, VP Legal Affairs

Date: April 4, 2023

ASSIGNEE:

Aviat U.S., Inc.

By: _____

Name: Keith Fanneron

Title: VP Global Finance

Date: 4/4/2023

Schedule A

Assignment of **Redline Communications Inc.** to **Aviat U.S., Inc.**,


Application #	Patent #	Country	Title	File Number
2,631,441		CA	ISOLATION MEASUREMENT AND SELF-OSCILLATION PREVENTION IN TDD-OFDM REPEATER FOR WIRELESS BROADBAND DISTRIBUTION TO SHADOWED AREAS	0144-2CAPT
13/440,421	8953503	US	ISOLATION MEASUREMENT AND SELF-OSCILLATION PREVENTION IN TDD-OFDM REPEATER FOR WIRELESS BROADBAND DISTRIBUTION TO SHADOWED AREAS	0144-2USP1
12/122,096	8175028	US	ISOLATION MEASUREMENT AND SELF-OSCILLATION PREVENTION IN TDD-OFDM REPEATER FOR WIRELESS BROADBAND DISTRIBUTION TO SHADOWED AREAS	0144-2USPT
2,625,567		CA	A LOW-COMPLEXITY OPTIMAL SOFT MIMO RECEIVER	0144-3CAPT
9003541.1		EP	LOW COMPLEXITY OPTIMAL SOFT MIMO RECEIVER	0144-3EPPT
13/242,808	8799751	US	LOW COMPLEXITY OPTIMAL SOFT MIMO RECEIVER	0144-3USC1
12/046,747	8060811	US	LOW COMPLEXITY OPTIMAL SOFT MIMO RECEIVER	0144-3USPT
2,859,307	2859307	CA	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4CAPX
14/024,246	9288033	US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USC1
14/036,210	8743745	US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USC2
15/014,782	9432174	US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USC3
15/218,940	9876528	US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USC4
61/570,357		US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USPL01
61/740,679		US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USPL02
13/713,443	8576752	US	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4USPT
PCT/IB2012/057298		WO	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION	0144-4WOPT1
PCT/IB2013/061232		WO	SINGLE CHANNEL FULL DUPLEX WIRELESS COMMUNICATION WITH ENHANCED BASEBAND PROCESSING	0144-4WOPT2
13/670,158	8428101	US	SYSTEM AND METHOD FOR INTERFERENCE TRIGGERED FREQUENCY HOPPING	0144-6USC1
13/875,384	8976835	US	SYSTEM AND METHOD FOR INTERFERENCE TRIGGERED FREQUENCY HOPPING	0144-6USC2
13/584,539		US	SYSTEM AND METHOD FOR INTERFERENCE TRIGGERED FREQUENCY HOPPING	0144-6USPT
14/013,581	8786514	US	SYSTEM AND METHOD FOR PAYLOAD ENCLOSURE	0144-7USC1
14/025,210	8743013	US	SYSTEM AND METHOD FOR PAYLOAD ENCLOSURE	0144-7USC2
29/556,308	D847797	US	PAYLOAD ENCLOSURE	0144-7USDD1
29/430,918	D754107	US	PAYLOAD ENCLOSURE	0144-7USPD
13/600,672	8564497	US	SYSTEM AND METHOD FOR PAYLOAD ENCLOSURE	0144-7USPT
14/269,246	9313060	US	SYSTEM AND METHOD FOR MULTI-THREADED OFDM CHANNEL EQUALIZER WITH COPROCESSOR	0144-8USC1
15/064,790	9426001	US	SYSTEM AND METHOD FOR MULTI-THREADED OFDM CHANNEL EQUALIZER WITH COPROCESSOR	0144-8USC2

15/213,584	9553746	US	SYSTEM AND METHOD FOR MULTI-THREADED OFDM CHANNEL EQUALIZER WITH COPROCESSOR	0144-8USC3
15/379,742	9780978	US	SYSTEM AND METHOD FOR MULTI-THREADED OFDM CHANNEL EQUALIZER WITH COPROCESSOR	0144-8USC4
14/099,229	8750365	US	SYSTEM AND METHOD FOR MULTI-THREADED OFDM CHANNEL EQUALIZER WITH COPROCESSOR	0144-8USP1
14/106,244	8711921	US	SYSTEM AND METHOD FOR MULTI-THREADED MIMO OFDM CHANNEL EQUALIZER	0144-8USP2
14/091,632	8711920	US	SYSTEM AND METHOD FOR MULTI-THREADED OFDM CHANNEL EQUALIZER	0144-8USPT
13/899,787	8805363	US	SMART ANTENNA FOR INTERFERENCE REJECTION WITH ENHANCED TRACKING	0144-9USC1
13/970,756	8706109	US	SMART ANTENNA FOR INTERFERENCE REJECTION WITH ENHANCED TRACKING	0144-9USC2
14/044,690	9094900	US	SMART ANTENNA FOR INTERFERENCE REJECTION WITH ENHANCED TRACKING	0144-9USC3
14/044,632	8886237	US	SMART ANTENNA WITH MULTIPLE ROUND SELECTION	0144-9USC4
13/682,540	8548466	US	SMART ANTENNA FOR INTERFERENCE REJECTION WITH ENHANCED TRACKING	0144-9USP1
13/970,059		US	SMART ANTENNA WITH MULTIPLE ROUND SELECTION	0144-9USP2
13/644,852	8548516	US	SMART ANTENNA FOR INTERFERENCE REJECTION	0144-9USPT
15/264,694	9750061	US	SYSTEM AND METHOD FOR WIRELESS MOBILITY PROTOCOL FOR HIGHLY DIRECTIONAL ANTENNAS WITH NETWORK TOPOLOGY AWARENESS	0144-11USC1
14/516,915	9468028	US	SYSTEM AND METHOD FOR WIRELESS MOBILITY PROTOCOL FOR HIGHLY DIRECTIONAL ANTENNAS WITH NETWORK TOPOLOGY AWARENESS	0144-11USPT
14/522,025	9301305	US	ARCHITECTURE, DEVICES AND METHODS FOR SUPPORTING MULTIPLE CHANNELS IN A WIRELESS SYSTEM	0144-12USC1
15/045,418	9743285	US	ARCHITECTURE, DEVICES AND METHODS FOR SUPPORTING MULTIPLE CHANNELS IN A WIRELESS SYSTEM	0144-12USC2
13/235,569	8891464	US	ARCHITECTURE, DEVICES AND METHODS FOR SUPPORTING MULTIPLE CHANNELS IN A WIRELESS SYSTEM	0144-12USPT
14/870,633	9621200	US	SYSTEMS AND METHODS FOR INCREASING THE EFFECTIVENESS OF DIGITAL PRE-DISTORTION IN ELECTRONIC COMMUNICATIONS	0144-13USC1
61/934,779		US	METHODS AND SYSTEMS FOR DUAL-USING A RECEPTION CHANNEL	0144-13USPL01
14/244,667	9178540	US	SYSTEMS AND METHODS FOR INCREASING THE EFFECTIVENESS OF DIGITAL PRE-DISTORTION IN ELECTRONIC COMMUNICATIONS	0144-13USPT
15/362,080	9819373	US	SYSTEMS AND METHODS FOR INCREASING THE EFFECTIVENESS OF DIGITAL PRE-DISTORTION IN ELECTRONIC COMMUNICATIONS	0144-14USC1
61/974,920		US	SYSTEMS AND METHODS FOR INCREASING THE EFFECTIVENESS OF DIGITAL PRE-DISTORTION IN ELECTRONIC COMMUNICATIONS	0144-14USPL01
14/672,361	9537686	US	SYSTEMS AND METHODS FOR INCREASING THE EFFECTIVENESS OF DIGITAL PRE-DISTORTION IN ELECTRONIC COMMUNICATIONS	0144-14USPT
14/929,937	9692628	US	METHODS AND SYSTEMS FOR DUAL-USING A RECEPTION CHANNEL	0144-15USC1

14/170,622	9209848	US	METHODS AND SYSTEMS FOR DUAL-USING A RECEPTION CHANNEL	0144-15USPT
14/170,623		US	SYSTEMS AND METHODS FOR REDUCING PEAK TO AVERAGE POWER RATIO	0144-16USPT
15/408,773	10021577	US	MOBILE BASE STATION	0144-17USC1
14/097,475	9585191	US	MOBILE BASE STATION	0144-17USP1
13/219,690	8634339	US	METHODS AND SYSTEMS FOR SHARING RESOURCES BETWEEN A RADIO ACCESS NETWORK AND A BACKHAUL NETWORK	0144-17USPT
14/746,975	9756650	US	METHODS FOR SUPPORTING MULTIPLE OPERATORS IN A WIRELESS BASESTATION	0144-18USC1
13/890,676	9094953	US	METHODS FOR SUPPORTING MULTIPLE OPERATORS IN A WIRELESS BASESTATION	0144-18USD1
13/235,562	8494587	US	ARCHITECTURE, DEVICES AND METHODS FOR SUPPORTING MULTIPLE OPERATORS IN A WIRELESS BASESTATION	0144-18USPT
14/821,722		US	SYSTEMS AND METHODS FOR ENHANCING SPECTRAL EFFICIENCY IN A COMMUNICATION NETWORK	0144-19USC1
15/208,094	9742507	US	SYSTEMS AND METHODS FOR ENHANCING SPECTRAL EFFICIENCY IN A COMMUNICATION NETWORK	0144-19USC2
15/287,984	9673915	US	SYSTEMS AND METHODS FOR ENHANCING SPECTRAL EFFICIENCY IN A COMMUNICATION NETWORK	0144-19USC3
13/492,896	9136978	US	SYSTEMS AND METHODS FOR ENHANCING SPECTRAL EFFICIENCY IN A COMMUNICATION NETWORK	0144-19USPT
13/235,576		US	ARCHITECTURE, DEVICES AND METHODS FOR ALLOCATING RADIO RESOURCES IN A WIRELESS SYSTEM	0144-20USPT
14/791,755	9706430	US	SHARED BACKHAUL LINK FOR MULTIPLE WIRELESS SYSTEMS	0144-21USC1
61/536,103		US	ARCHITECTURE, DEVICES AND METHODS FOR WIRELESS SYSTEMS	0144-21USPL01
61/556,250		US	METHODS AND SYSTEMS FOR SHARING RESOURCES	0144-21USPL02
13/290,100	9113354	US	SHARED BACKHAUL LINK FOR MULTIPLE WIRELESS SYSTEMS	0144-21USPT
14/854,348	9769696	US	SHARING OF RADIO RESOURCES BETWEEN A BACKHAUL LINK AND A RADIO ACCESS NETWORK	0144-22USC1
61/536,103		US	ARCHITECTURE, DEVICES AND METHODS FOR WIRELESS SYSTEMS	0144-22USPL01
13/290,102	9167474	US	SHARING OF RADIO RESOURCES BETWEEN A BACKHAUL LINK AND A RADIO ACCESS NETWORK	0144-22USPT
10/893,821	7460839	US	NON-SIMULTANEOUS FREQUENCY DIVERSITY IN RADIO COMMUNICATION SYSTEMS	0144-23USPT
14/933,055	9794072	US	CERTIFICATE EXCHANGE MECHANISM FOR WIRELESS NETWORKING	0144-24USPT
3,098,084		CA	BI-DIRECTIONAL HIGH POWER USER EQUIPMENT	0144-26CAPX
19791814.7		EP	BI-DIRECTIONAL HIGH POWER USER EQUIPMENT	0144-26EPPX
15/961,366	11252581	US	BI-DIRECTIONAL HIGH POWER USER EQUIPMENT	0144-26USPT
PCT/CA2019/050519		WO	BI-DIRECTIONAL HIGH POWER USER EQUIPMENT	0144-26WOPT
11/878,055	7680470	US	MULTI-CONNECTION, NON-SIMULTANEOUS FREQUENCY DIVERSITY IN RADIO COMMUNICATION SYSTEMS	0144-59USD1
11/892,743	7586862	US	MULTI-CONNECTION, NON-SIMULTANEOUS FREQUENCY DIVERSITY IN RADIO COMMUNICATION SYSTEMS	0144-59USD2
10/893,823	7263335	US	MULTI-CONNECTION, NON-SIMULTANEOUS FREQUENCY DIVERSITY IN RADIO COMMUNICATION SYSTEMS	0144-59USPT

13/528,274		US	PACKET-BASED COMMUNICATION SYSTEM WITH TRAFFIC PRIORITIZATION	0144-5USPT
200242		CA	TRANSCEIVER ENCLOSURE	0144-60CAID
008372155-0001		EU	TRANSCEIVER ENCLOSURE	0144-60EPID
6150718		GB	TRANSCEIVER ENCLOSURE	0144-60EPID-UK
18/052,332		US	GENERAL PURPOSE ENCLOSURE	0144-60USC1
29/652,257		US	TRANSCEIVER ENCLOSURE	0144-60USID
16/946,644	11519677	US	GENERAL PURPOSE ENCLOSURE	0144-60USPT
17/994,956		US	VARIABLE LINK AGGREGATION	0144-61USC1
16/946,661		US	VARIABLE LINK AGGREGATION	0144-61USPT
17/303,838		US	SELF-SYNCHRONIZED SENSOR NETWORK	0144-62USPT
13/290,099	8676193	US	WIRELESS ROAMING WITH DEDICATED BACKHAUL	0144-69USPT
13/329,257	8538420	US	MULTI-BAND WIRELESS CELLULAR SYSTEM AND METHOD	0144-69USPT2
11/196,804	7509146	US	BEAMFORMING USING SUBSET OF ANTENNA ARRAY	0144-70USPT
17/380,417		US	HIGH PERFORMANCE MODULAR DIE-CAST ENCLOSURE SYSTEM	0144-71USPT
63/370,502		US	DISTRIBUTED ADAPTIVE RADIO CONFIGURATION	0144-72USPL01
		US	ADAPTIVE RADIO CONFIGURATION SELECTION	0144-72USPT
17/728,072		US	WIDEBAND OPERATION IN TVWS BANDS	0144-73USPT

(Signature of Assignor)



Redline Communications Inc.

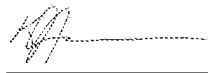
(Print Name)

Erin Boase

(Title)

GC, VP Legal Affairs

(Signature of Assignee)



Aviat U.S., Inc.

(Print Name)

Keith Fanneron

(Title)

VP Global Finance