

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5409318

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	DRAGONWAVE INC.	10/24/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	TRANSFORM-X, INC.	
<b>Street Address:</b>	6969 E. SUNRISE DRIVE	
<b>Internal Address:</b>	SUITE 100	
<b>City:</b>	TUCSON	
<b>State/Country:</b>	ARIZONA	
<b>Postal Code:</b>	85750	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15298943
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(612)288-9696	
<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>	(214) 292-4080	
<b>Email:</b>	APSI@fr.com	
<b>Correspondent Name:</b>	J. KEVIN GRAY	
<b>Address Line 1:</b>	1717 MAIN STREET, SUITE 5000	
<b>Address Line 2:</b>	FISH & RICHARDSON	
<b>Address Line 4:</b>	DALLAS, TEXAS 75201	
<b>ATTORNEY DOCKET NUMBER:</b>	44756-0019001	
<b>NAME OF SUBMITTER:</b>	SHERRY L. HUNT	
<b>SIGNATURE:</b>	/Sherry L. Hunt/	
<b>DATE SIGNED:</b>	03/07/2019	
<b>Total Attachments: 13</b>		
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## **CONFIRMATORY ASSIGNMENT OF INTELLECTUAL PROPERTY ASSETS**

WHEREAS, pursuant to a court order dated July 31, 2017, **KSV KOFMAN INC.** is the court-appointed receiver and receiver and manager of the assets, properties and undertakings of **DRAGONWAVE INC.** (the "Assignor"), including all the right, title, and interest of the Assignor in all Intellectual Property (as defined in Section 2.1(f) of the Asset Purchase Agreement (as defined below)), which also includes, without limitation, the trademarks, patents and Internet domain names listed in Schedule A (collectively, the "Intellectual Property Assets");

AND WHEREAS the Assignor has entered into an asset purchase agreement dated September 28, 2017 (the "Asset Purchase Agreement") with Transform-X, Inc.;

AND WHEREAS the Asset Purchase Agreement has been assigned by Transform-X, Inc. to **DRAGONWAVE-X CANADA, INC.** (the "Assignee") pursuant to an assignment agreement dated October 4, 2017;

AND WHEREAS the Assignee is desirous of confirming that it has acquired, from the Assignor pursuant to the Asset Purchase Agreement and subject to the terms and conditions contained in the Asset Purchase Agreement, including without limitation Article 11 AS IS WHERE IS, all of the Assignor's right, title, and interest in and to the Intellectual Property Assets, together with the goodwill of the business in connection with which the Intellectual Property Assets are used;

NOW THEREFORE, in consideration of the covenants and agreements contained in the Asset Purchase Agreement and herein and such other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the parties hereto, the Assignor confirms, without any representation, warranty, or condition other than as set out therein, that it has assigned, transferred and conveyed, effective as of October 24, 2017, all of the Assignor's right, title, and interest in and to the Intellectual Property Assets, the same to be held and enjoyed as fully and exclusively as the same would have been held and enjoyed by the Assignor had this assignment, transfer and conveyance not been made.

In accordance with section 12.7 of the Asset Purchase Agreement, the Assignor hereby undertakes at any time upon reasonable request to execute such documents and take such further actions as may be necessary to evidence the assignment of all of the Assignor's right, title and interest in and to the Intellectual Property Assets to the Assignee, and to enable the Assignee to obtain and maintain the applications and registrations for the Intellectual Property Assets.

The Assignor does hereby authorize any official whose duty it is to grant registrations of the Intellectual Property Assets, to issue registrations for any pending or yet to be filed applications for said Intellectual Property Assets to the Assignee, and to the Assignee's successors, assigns, nominees or other legal representatives.

The Assignor, on behalf of itself and its successors, assigns, nominees or other legal representatives, does hereby authorize the Assignee, its successors, assigns, nominees or other legal representatives, including its Patent Agents and/or Trademark Agents, to amend the present assignment document to insert or correct the filing date, serial number, registration number or other identifying information as may be needed to record same.

In accordance with section 12.7 of the Asset Purchase Agreement, the Assignor hereby undertakes to cooperate with and take or cause to be taken all necessary steps as required by the registrars of the Internet domain names listed in Schedule A, any Internet registration authorities, and Assignee to cause and effect a transfer the Internet domain names and record the Assignee as the registrant and owner thereof.

This Assignment may be executed in as many counterparts as may be necessary, each of which so executed shall be deemed to be an original and each signed copy sent by facsimile or other means of electronic transmission producing a printed copy shall be deemed to be an original, and such counterparts together shall constitute one and the same document and notwithstanding the date of execution shall be deemed to be effective as of the date set forth above.

EXECUTED as of this 24 day of October, 2017.

DRAGONWAVE INC. by  
KSV KOFMAN INC. solely in its capacity  
as court-appointed receiver and receiver and  
manager of the assets, properties and  
undertakings of DragonWave Inc.

Signature:



Name:

DAVID SIEGRADSKI

Title:

MANAGING DIRECTOR

DRAGONWAVE-X CANADA, INC.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

[Signature Page re Confirmatory Assignment of Intellectual Property Assets]

EXECUTED as of this 24 day of October, 2017.

**DRAGONWAVE INC.** by  
**KSV KOFMAN INC.** solely in its capacity  
as court-appointed receiver and receiver and  
manager of the assets, properties and  
undertakings of DragonWave Inc.

Signature: \_\_\_\_\_

Name:

Title:

**DRAGONWAVE-X CANADA, INC.**

Signature: \_\_\_\_\_

Name:

Title:



**DANIEL HODGES**

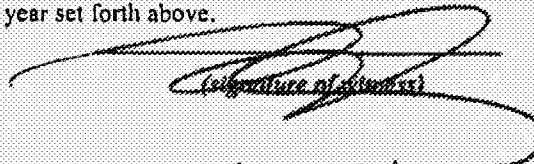
*Chairman*

[Signature Page re Confirmatory Assignment of Intellectual Property Assets]

**STATEMENT OF WITNESS**

I, NOAH GOLDSTEIN, whose full post office address is \_\_\_\_\_  
(name of witness)  
544 Nelson Avenue, Toronto ON M5M 2A3  
(address of witness)

state that I was personally present and did see DAVID SIERADSKI, who is personally known to me to be the person named as authorized representative of DRAGONWAVE INC. by KSV KOFMAN INC. solely in its capacity as court-appointed receiver and receiver and manager of the assets, properties and undertakings of DragonWave Inc. in the above confirmatory assignment, duly execute the same on the day and year set forth above.

  
(signature of witness)

DATED at Toronto, ON, this 24 day of October, 2017.

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, whose full post office address is \_\_\_\_\_  
(name of witness)  
\_\_\_\_\_  
(address of witness)

state that I was personally present and did see \_\_\_\_\_, who is personally known to me to be the person named as authorized representative of DRAGONWAVE-X CANADA, INC. in the above confirmatory assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(signature of witness)

DATED at \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2017.

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, whose full post office address is \_\_\_\_\_  
(name of witness)

\_\_\_\_\_  
(address of witness)

state that I was personally present and did see \_\_\_\_\_, who is personally known to me to be the person named as authorized representative of DRAGONWAVE INC. by KSV KOFMAN INC. solely in its capacity as court-appointed receiver and receiver and manager of the assets, properties and undertakings of DragonWave Inc. in the above confirmatory assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(signature of witness)

DATED at \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2017.

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, whose full post office address is \_\_\_\_\_  
(name of witness)

\_\_\_\_\_  
(address of witness)

state that I was personally present and did see DANIEL HODGES, who is personally known to me to be the person named as authorized representative of DRAGONWAVE-X CANADA, INC. in the above confirmatory assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(signature of witness)

DATED at Tucson AZ, this 2<sup>nd</sup> day of October, 2017.



**SCHEDULE A**

**CANADIAN ISSUED PATENTS**

Patent No.	Title	Owner	Issue Date
1. 2547310	APPARATUS AND METHODS FOR CONTROLLING EFFECTIVE COMMUNICATION TRAFFIC RATES	DragonWave Inc.	2013-04-09
2. 2592079	WIRELESS COMMUNICATION PATH MANAGEMENT METHODS AND SYSTEMS	DragonWave Inc.	2011-08-09

**CANADIAN REGISTERED TRADEMARKS**

	Reg. No.	Trademark	Reg Date	Owner
1.	TMA563401	AIRPAIR	2002-06-13	DragonWave Inc.
2.	TMA745742	HORIZON	2009-08-19	DragonWave Inc.
3.	TMA585382	DRAGONWAVE	2003-07-16	DragonWave Inc.

**DOMAIN REGISTRATIONS**

Domain Name	Domain Information
dragonwaveinc.com	Registrant Name/Organization: Chris Rodgers / Dragonwave Inc Updated Date: 2017-05-03 Creation Date: 2000-05-17 Registry Expiry Date: 2018-05-17
dragonwave.ca	Registrant Name/Organization: Chris Rodgers / Dragonwave Inc Updated Date: 2017-06-26 Creation Date: 2000-11-29 Registry Expiry Date: 2018-05-12

# U.S. PATENT APPLICATIONS

Appln. No.	Title	Filing Date	Owner	Publication No.
1. 15/298943	COMPRESSION IN COMMUNICATIONS	October 20, 2016	DragonWave Inc.	20170118675
2. 10/077914	TRANSCIEIVER FOR FIXED WIRELESS ACCESS NETWORK APPLICATIONS	February 20, 2002 (abandoned Mar 11 2005, failed to respond to Office Action)	DragonWave Inc.	20020128009
3. 11/812155	RADIO LOOP-BACK	September 12, 2011 (abandoned Sep 12 2011, failed to respond to Office Action)	DragonWave Inc.	20080051038
4. 12/224325	APPARATUS AND METHOD FOR DETECTING OUTPUT POWER FROM AN AMPLIFIER	August 25, 2008 (abandoned Jan 22 2009, failed to respond to Office Action)	DragonWave Inc.	20090021300
5. 13/708421	WIRELESS NETWORK COMMUNICATION APPARATUS, METHODS, AND INTEGRATED ANTENNA STRUCTURES	December 7, 2012 (abandoned Sep 15 2015, failed to respond to Office Action)	DragonWave Inc.	20130100869
6. 15/298943	COMPRESSION IN COMMUNICATIONS	October 20, 2016	DragonWave Inc.	20170118675

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# U.S. ISSUED PATENTS

Patent No.	Title	Issue Date	Owner
1. 6,538,509	LINEARIZER FOR A POWER AMPLIFIER	March 25, 2003	DragonWave Inc.
2. 6,657,520	WAVEGUIDE FILTER	December 2, 2003	DragonWave Inc.
3. 6,861,891	SUB-HARMONIC MIXER	March 1, 2005	DragonWave Inc.
4. 6,876,277	E-PLANE FILTER AND A METHOD OF FORMING AN E-PLANE FILTER	April 5, 2005	DragonWave Inc.
5. 7,084,693	SUB-HARMONIC MIXER	August 1, 2006	DragonWave Inc.
6. 7,196,274	MULTI-LAYER INTEGRATED RF/IF CIRCUIT BOARD	March 27, 2007	DragonWave Inc.
7. 7,202,419	MULTI-LAYER INTEGRATED RF/IF CIRCUIT BOARD INCLUDING A CENTRAL NON-CONDUCTIVE LAYER	April 10, 2007	DragonWave Inc.
8. 7,454,222	APPARATUS AND METHOD FOR CONTROLLING WIRELESS COMMUNICATION SIGNALS	November 18, 2008	DragonWave Inc.
9. 7,957,291	APPARATUS AND METHODS FOR CONTROLLING EFFECTIVE COMMUNICATION TRAFFIC RATES	June 7, 2011	DragonWave Inc.
10. 7,787,838	INTEGRATED CIRCUIT, AND AN ARRANGEMENT AND METHOD FOR INTERCONNECTING COMPONENTS OF AN INTEGRATED CIRCUIT	August 31, 2010	DragonWave Inc.
11. 8,081,626	EXPEDITED COMMUNICATION TRAFFIC HANDLING APPARATUS AND METHODS	December 20, 2011	DragonWave Inc.
12. 8,036,332	COMMUNICATION SIGNAL SYMBOL TIMING ERROR DETECTION AND RECOVERY	October 11, 2011	DragonWave Inc.
13. 8,213,306	APPARATUS AND METHODS FOR AGGREGATION OF COMMUNICATION BANDWIDTH OVER MULTIPLE WIRELESS COMMUNICATION LINKS	July 3, 2012	DragonWave Inc.
14. 8,351,987	WIRELESS NETWORK COMMUNICATION APPARATUS, METHODS, AND INTEGRATED	January 8, 2013	DragonWave Inc.

Patent No.	Title	Issue Date	Owner
	ANTENNA STRUCTURES		
15. 8,396,177	INTERFERENCE CARRIER REGENERATION AND INTERFERENCE CANCELLATION APPARATUS AND METHODS	March 12, 2013	Dragon Wave Inc.
16. 8,427,937	BRIDGING FOR SONE/SDH AUTOMATIC PROTECTION SWITCHING	April 23, 2013	Dragon Wave Inc.
17. 8,553,530	OPERATING STATE CONTROL IN REDUNDANCY PROTECTION SYSTEMS	October 8, 2013	Dragon Wave Inc.
18. 8,606,186	WIRELESS COMMUNICATION PATH MANAGEMENT METHODS AND SYSTEMS	December 10, 2013	Dragon Wave Inc.
19. 8,995,573	OCTAGONAL QUADRATURE AMPLITUDE MODULATION	March 31, 2015	Dragon Wave Inc.
20. 9,130,730	APPARATUS AND METHODS FOR AGGREGATION OF COMMUNICATION BANDWIDTH OVER MULTIPLE WIRELESS COMMUNICATION LINKS	September 8, 2015	Dragon Wave Inc.
21. 9,277,452	ADAPTIVE MODULATION AND PRIORITY-BASED FLOW CONTROL IN WIRELESS COMMUNICATIONS	March 1, 2016	Dragon Wave Inc.
22. 9,544,181	MULTIPLE-NODE COMMUNICATION LINK MANAGEMENT	January 10, 2017	Dragon Wave Inc.
23. 9,559,973	WIRELESS COMMUNICATION LINK BANDWIDTH UTILIZATION MONITORING	January 31, 2017	Dragon Wave Inc.

### U.S. TRADEMARK APPLICATIONS

Appln. No.	Trademark	Filing Date	Owner
1. 85199691	DRAGONWAVE FUSION	December 16, 2010 (abandoned Jan. 21, 2013)	Dragon Wave Inc.

### U.S. REGISTERED TRADEMARKS

Reg. No.	Trademark	Reg. Date	Owner
1. 4491581	AVENUE	March 4, 2014	Dragon Wave Inc.
2. 3606664	HORIZON	April 14, 2009	Dragon Wave Inc.
3. 3789058	AIRPAIR	May 18, 2010 (Cancelled Dec 23, 2016 – failed to file acceptable declaration)	Dragon Wave Inc.
4. 3503574	DRAGONWAVE	September 23, 2008	Dragon Wave Inc.
5. 76170413	AXERRA	May 7, 2002	Dragon Wave Inc.
6. 78444507	THE PSEUDO-WIRE COMPANY	February 28, 2006	Dragon Wave Inc.

# EUROPEAN PATENT APPLICATIONS

Patent No.	Title	Filing Date	Owner
1. EP07719975	RADIO LOOP-BACK	January 13, 2009 (abandoned Jan. 28, 2014)	Dragon Wave Inc.
2. EP08153503.1	COMMUNICATION SIGNAL SYMBOL TIMING ERROR DETECTION AND RECOVERY	March 28, 2008	Dragon Wave Inc.

# EUROPEAN REGISTERED PATENTS

Patent No.	Title	Issue Date	Owner
3. EP1832044	WIRELESS COMMUNICATION PATH MANAGEMENT METHODS AND SYSTEMS	February 8, 2017	Dragon Wave Inc.
4. DE602005051293.4	WIRELESS COMMUNICATION PATH MANAGEMENT METHODS AND SYSTEMS	February 8, 2017	Dragon Wave Inc.
5. IT502017000047814	WIRELESS COMMUNICATION PATH MANAGEMENT METHODS AND SYSTEMS	February 8, 2017	Dragon Wave Inc.
6. EP1832044 (GB Designation)	WIRELESS COMMUNICATION PATH MANAGEMENT METHODS AND SYSTEMS	February 8, 2017	Dragon Wave Inc.
7. EP2050199	EXPEDITED COMMUNICATION TRAFFIC HANDLING APPARATUS AND METHODS	August 24, 2016	Dragon Wave Inc.
8. DE602007047623.3	EXPEDITED COMMUNICATION TRAFFIC HANDLING APPARATUS AND METHODS	August 24, 2016	Dragon Wave Inc.
9. EP2050199 (GB Designation)	EXPEDITED COMMUNICATION TRAFFIC HANDLING APPARATUS AND METHODS	August 24, 2016	Dragon Wave Inc.
10. IT2050199	EXPEDITED COMMUNICATION TRAFFIC HANDLING APPARATUS AND METHODS	August 24, 2016	Dragon Wave Inc.

PATENT

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