

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5015589

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHIPWORKS INC.	06/14/2018
RECEIVING PARTY DATA	
Name:	TECHINSIGHTS INC.
Street Address:	1891 ROBERTSON ROAD
Internal Address:	SUITE 500
City:	OTTAWA, ONTARIO
State/Country:	CANADA
Postal Code:	K2H 5B7
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7498181
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<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>	
Phone:	9497600404
Email:	efiling@knobbe.com
Correspondent Name:	KNOBBE MARTENS OLSON & BEAR, LLP
Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	MERZ2.006GEN
NAME OF SUBMITTER:	VLADISLAV Z. TEPLITSKIY
SIGNATURE:	/Vladislav Z. Teplitskiy/
DATE SIGNED:	06/20/2018
Total Attachments: 13	
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CONFIRMATORY ASSIGNMENT AGREEMENT

Docket No.: 1017L-TCT-0001/MERZ2.006GEN

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WHEREAS, CHIPWORKS INC., at one time a federal Canadian corporation and later an Ontario corporation, with an office at 1891 Robertson Road, Suite 500, Ottawa, Ontario K2H 5B7, Canada (which prior to the name change of the road was at Suite 500, 3685 Richmond Road, K2H 5B7, Ottawa, Ontario, Canada), (hereinafter "ASSIGNOR") represents and warrants that it was an owner of certain new and useful improvements, technology, inventions, developments, ideas and/or discoveries (individually and/or collectively referred to hereinafter as the "Inventions") disclosed in the patents listed in Schedule A (individually and/or collectively referred to hereinafter as the "Patents").

WHEREAS certain documentation, including assignments filed with the United States Patent and Trademark Office for the Patents used the name of CHIPWORKS, CHIPWORKS INCORPORATED, or CHIPWORKS, INCORPORATED to refer to ASSIGNOR.

WHEREAS, TECHINSIGHTS INC., and Ontario corporation, with offices at 1891 Robertson Road, Suite 500, Ottawa, Ontario K2H 5B7, Canada, (hereinafter "ASSIGNEE") effective January 1, 2017 amalgamated with ASSIGNOR as evidenced by the Articles of Amalgamation in Schedule B.

WHEREAS, effective January 1, 2017, ASSIGNOR AND ASSIGNEE ceased to exist as separate entities and continued as a single amalgamated Ontario corporation under ASSIGNEE's name, TECHINSIGHTS INC.

WHEREAS by virtue of the amalgamation, ASSIGNEE has acquired the entire right, title, and interest of ASSIGNOR in and to the Inventions and the Patents.

AND WHEREAS, ASSIGNEE desires to confirm that is has acquired the entire right, title, and interest of ASSIGNOR in and to the Inventions and the Patents.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Patents and the Inventions, including all Patent Properties filed or issued upon the Patents and the Inventions; where "Patent Properties" include, but are not limited to:

- all provisional applications relating thereto;

- all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Patents, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which have been granted and/or may be granted thereon and all reissues and extensions thereof; and

- all rights of priority under International Conventions and any related Letters Patent which may have been granted and/or may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Inventions and Patents, and testify in any legal proceeding, assist in the preparation of any other

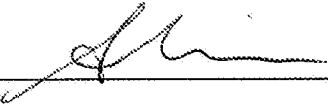
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Patent Property relating to the Patents and the Inventions or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Patents and the Inventions including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Inventions in all countries.

TECHINSIGHTS INC. (on behalf of itself as well as CHIPWORKS INC., CHIPWORKS, CHIPWORKS INCORPORATED, and CHIPWORKS, INCORPORATED)

By: 
Name Printed: ANDREW MILLEN
Title: CFO
Date: JUNE 14, 2018

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CONFIRMATORY ASSIGNMENT AGREEMENT

Schedule A – List of Patents

Patent No.	App. No.	Filing Date	Title	Inventor(s)
US 6,768,102	09/594,169	June 15, 2000	METHOD AND SYSTEM FOR RECALIBRATION DURING MICRO-IMAGING TO DETERMINE THERMAL DRIFT	DAVID F. SKOLL
US 6,763,140	09/657,164	September 7, 2000	METHOD AND APPARATUS FOR FOCUSING A MICRO-IMAGING SYSTEM ONTO A TILTED OR UNEVEN SAMPLE TO ACQUIRE IMAGES OF THE SAMPLE	DAVID F. SKOLL
US 6,684,379	09/927,551	August 13, 2001	DESIGN ANALYSIS WORKSTATION FOR ANALYZING INTEGRATED CIRCUITS	DAVID F. SKOLL; TERRY LUDLOW; JULIA ELVIDGE; MICHAEL PHANEUF
US 7,020,853	10/717,460	November 21, 2003	DESIGN ANALYSIS WORKSTATION FOR ANALYZING INTEGRATED CIRCUITS	DAVID F. SKOLL; TERRY LUDLOW; JULIA ELVIDGE
US 7,509,601	11/298,717	December 12, 2005	DESIGN ANALYSIS WORKSTATION FOR ANALYZING INTEGRATED CIRCUITS	DAVID F. SKOLL; TERRY LUDLOW; JULIA ELVIDGE
US 6,549,222	09/604,252	June 27, 2000	LOCK-STEP CURSORS FOR FEATURE ALIGNMENT	DAVID F. SKOLL
US 6,453,063	09/238,435	January 28, 1999	AUTOMATIC FOCUSED ION BEAM IMAGING SYSTEM AND METHOD	MICHAEL PHANEUF; DICK JAMES; JULIA ELVIDGE; PIERRETTE BRETON; TERRY LUDLOW; DAVID SKOLL; BRYAN SOCRANSKY; LOUISE WEAVER; RAY HAYTHORNTHWAITE
US 6,288,393	09/238,436	June 28, 1999	AUTOMATED METHOD OF CIRCUIT ANALYSIS	MICHAEL PHANEUF; DICK JAMES; PIERRETTE BRETON; JULIA ELVIDGE; RAY HAYTHORNTHWAITE
US 8,495,556	12/942,114	November 9, 2010	CIRCUIT VISUALIZATION USING FLIGHTLINES	MICHAEL GREEN
US 8,413,085	13/083,534	April 9, 2011	DIGITAL NETLIST PARTITIONING SYSTEM FOR FASTER CIRCUIT REVERSE-ENGINEERING	MICHAEL GREEN

CONFIRMATORY ASSIGNMENT AGREEMENT

Schedule A – List of Patents

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Patent No.	App. No.	Filing Date	Title	Inventor(s)
US 7,498,181	11/237966	2005-09-29	METHOD OF PREPARING AN INTEGRATED CIRCUIT DIE FOR IMAGING	LEV KLIBANOV; SHERRI LYNN GRIFFIN

CONFIRMATORY ASSIGNMENT AGREEMENT

Schedule B – Articles of Amalgamation



CERTIFICATE
This is to certify that these
articles are effective on

CERTIFICAT
Ceci certifie que les présents
statuts entrent en vigueur le

1963896

JANUARY 01 JANVIER, 2017.

4

Business Corporations Act / Loi sur les sociétés par actions

Form 4
Business
Corporations
Act

Formule 4
Loi sur les
sociétés par
actions

**ARTICLES OF AMALGAMATION
STATUTS DE FUSION**

1. The name of the amalgamated corporation is: (Set out in **BLOCK CAPITAL LETTERS**)
Dénomination sociale de la société issue de la fusion: (Écrire en **LETTRES MAJUSCULES SEULEMENT**) :

T	E	C	H	I	N	S	I	G	H	T	S	I	N	C	,															

2. The address of the registered office is:
Adresse du siège social :

3000 Solandt Road

Street & Number or R.R. Number & if Multi-Office Building give Room No. /
Rue et numéro ou numéro de la R.R. et, s'il s'agit d'un édifice à bureaux, numéro du bureau

Ottawa

ONTARIO

K 2 K 2 X 2

Name of Municipality or Post Office /
Nom de la municipalité ou du bureau de poste

Postal Code/Code postal

3. Number of directors is: Fixed number OR minimum and maximum
Nombre d'administrateurs : Nombre fixe OU minimum et maximum 1 10

4. The director(s) is/are: / Administrateur(s) :

First name, middle names and surname Prénom, autres prénoms et nom de famille	Address for service, giving Street & No. or R.R. No., Municipality, Province, Country and Postal Code Domicile élu, y compris la rue et le numéro ou le numéro de la R.R., le nom de la municipalité, la province, le pays et le code postal	Resident Canadian State 'Yes' or 'No' Résident canadien Oui/Non
John Day	5 Orchard Farm Road Port Washington NY 11050	No
John Kumhyr	3000 Solandt Road Ottawa ON K2K 2X2	Yes
Michael McLean	3000 Solandt Road Ottawa ON K2K 2X2	Yes

4. The director(s) is/are:
 Administrateur(s) :

First name, middle names and surname <i>Prénom, autres prénoms et nom de famille</i>	Address for services, giving street & No. or R.R. No., Municipality, Province, Country and Postal code. <i>Domicile élu, y compris la rue et le numéro ou le numéro de la R.R., le nom de la municipalité, la province, le pays et le code postal</i>	Resident Canadian State 'Yes' or 'No' <i>Résident canadien Oui/Non</i>
Andrew Millen	3000 Solandt Road Ottawa ON K2K 2X2	Yes

5. Method of amalgamation, check A or B
 Méthode choisie pour la fusion – Cocher A ou B :

A- Amalgamation Agreement / Convention de fusion :

The amalgamation agreement has been duly adopted by the shareholders of each of the amalgamating corporations as required by subsection 176 (4) of the *Business Corporations Act* on the date set out below.
 Les actionnaires de chaque société qui fusionne ont dûment adopté la convention de fusion conformément au paragraphe 176(4) de la *Loi sur les sociétés par actions* à la date mentionnée ci-dessous.

or
ou

B- Amalgamation of a holding corporation and one or more of its subsidiaries or amalgamation of subsidiaries / Fusion d'une société mère avec une ou plusieurs de ses filiales ou fusion de filiales :

The amalgamation has been approved by the directors of each amalgamating corporation by a resolution as required by section 177 of the *Business Corporations Act* on the date set out below.
 Les administrateurs de chaque société qui fusionne ont approuvé la fusion par voie de résolution conformément à l'article 177 de la *Loi sur les sociétés par actions* à la date mentionnée ci-dessous.

The articles of amalgamation in substance contain the provisions of the articles of incorporation of
 Les statuts de fusion reprennent essentiellement les dispositions des statuts constitutifs de

TECHINSIGHTS INC.

and are more particularly set out in these articles.
 et sont énoncés textuellement aux présents statuts.

Names of amalgamating corporations Dénomination sociale des sociétés qui fusionnent	Ontario Corporation Number Numéro de la société en Ontario	Date of Adoption/Approval Date d'adoption ou d'approbation		
		Year années	Month mois	Day jour
TECHINSIGHTS INC.	001745423	2016	12	14
CHIPWORKS INC.	001959387	2016	12	14

6. Restrictions, if any, on business the corporation may carry on or on powers the corporation may exercise.
Limites, s'il y a lieu, imposées aux activités commerciales ou aux pouvoirs de la société.

None

7. The classes and any maximum number of shares that the corporation is authorized to issue:
Catégories et nombre maximal, s'il y a lieu, d'actions que la société est autorisée à émettre :

An unlimited number of Common Shares.

8. Rights, privileges, restrictions and conditions (if any) attaching to each class of shares and directors authority with respect to any class of shares which may be issued in series:

Droits, privilèges, restrictions et conditions, s'il y a lieu, rattachés à chaque catégorie d'actions et pouvoirs des administrateurs relatifs à chaque catégorie d'actions qui peut être émise en série :

The Common Shares shall have attached thereto the following rights, privileges, restrictions and conditions:

- (a) the holders of the Common Shares shall be entitled to receive any dividend declared by the directors on the Common Shares;
- (b) subject to the rights of the holders of shares ranking prior to or on a parity with the Common Shares, the holders of the Common Shares shall be entitled to receive the remaining property of the Corporation in the event of any liquidation, dissolution or winding-up of the Corporation, whether voluntary or involuntary, or other distribution of assets of the Corporation among its shareholders for the purpose of winding up its affairs; and
- (c) the holders of the Common Shares shall be entitled to receive notice of and to attend and shall be entitled to one (1) vote at any meeting of the shareholders of the Corporation for each Common Share held, except meetings at which only holders of a specified class of shares are entitled to vote.

9. The issue, transfer or ownership of shares is/is not restricted and the restrictions (if any) are as follows:
L'émission, le transfert ou la propriété d'actions est/n'est pas restreint. Les restrictions, s'il y a lieu, sont les suivantes :

N/A

10. Other provisions, (if any):
Autres dispositions, s'il y a lieu :

See page 5A.

11. The statements required by subsection 178(2) of the *Business Corporations Act* are attached as Schedule "A".
Les déclarations exigées aux termes du paragraphe 178(2) de la *Loi sur les sociétés par actions* constituent l'annexe A.
12. A copy of the amalgamation agreement or directors' resolutions (as the case may be) is/are attached as Schedule "B".
Une copie de la convention de fusion ou les résolutions des administrateurs (selon le cas) constitue(nt) l'annexe B.

10. Other provisions, (if any):
Autres dispositions, s'il y a lieu :

- (a) the board of directors may from time to time, without authorization of the shareholders, in such amounts and on such terms as it deems expedient:
 - (i) borrow money on the credit of the Corporation;
 - (ii) issue, reissue, sell or pledge debt obligations (secured or unsecured) of the Corporation;
 - (iii) give a guarantee on behalf of the Corporation to secure performance of an obligation of any person or body corporate; and
 - (iv) charge, mortgage, hypothecate, pledge, cede and transfer or otherwise create a security interest in all or any of the currently owned or subsequently acquired real or personal, movable or immovable, property of the Corporation, including book debts, rights, powers, franchises and undertaking, to secure any debt obligations or any money borrowed, or other debt or liability of the Corporation.
- (b) the board of directors may from time to time delegate to such one or more directors and officers of the Corporation as may be designated by the board all or any of the powers conferred on the board pursuant to paragraph (a) above to such extent and in such manner as the board of directors shall determine at the time of each such delegation.
- (c) subject to the *Business Corporations Act*, the Corporation has a lien on a share registered in the name of a shareholder or the shareholder's personal representative for a debt of that shareholder to the Corporation including an amount unpaid in respect of a share issued by a body corporate on the date it was continued under the *Business Corporations Act*.

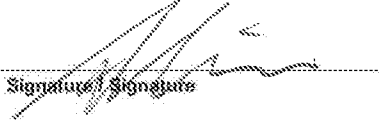
These articles are signed in duplicate.
Les présents statuts sont signés en double exemplaire.

Name and original signature of a director or authorized signing officer of each of the amalgamating corporations. Include the name of each corporation, the signatories name and description of office (e.g. president, secretary). Only a director or authorized signing officer can sign on behalf of the corporation. / Nom et signature originale d'un administrateur ou d'un signataire autorisé de chaque société qui fusionne. Indiquer la dénomination sociale de chaque société, le nom du signataire et sa fonction (p. ex. : président, secrétaire). Seul un administrateur ou un dirigeant habilité peut signer au nom de la société.

TECHINSIGHTS INC.

Names of Corporations / Dénomination sociale des sociétés

By / Par


Signature / Signature

Andrew Millen

Print name of signatory /
Nom du signataire en lettres moulées

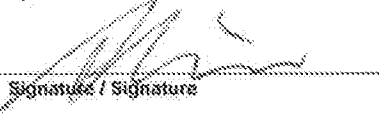
Director

Description of Office / Fonction

CHIPWORKS INC.

Names of Corporations / Dénomination sociale des sociétés

By / Par


Signature / Signature

Andrew Millen

Print name of signatory /
Nom du signataire en lettres moulées

Director

Description of Office / Fonction

Names of Corporations / Dénomination sociale des sociétés

By / Par

Signature / Signature

Print name of signatory /
Nom du signataire en lettres moulées

Description of Office / Fonction

Names of Corporations / Dénomination sociale des sociétés

By / Par

Signature / Signature

Print name of signatory /
Nom du signataire en lettres moulées

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