

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	02/23/2015

**CONVEYING PARTY DATA**

Name	Execution Date
CHANTAL JANDARD	04/11/2020
MATTHEW CAMPBELL	03/30/2020
DANA MARR	03/30/2020
RYLAN COTTRELL	03/30/2020
JOSEPH WONG	03/30/2020
JOSH CHEUNG	03/30/2020
CLAUDIA PERALTA	03/17/2020

**RECEIVING PARTY DATA**

<b>Name:</b>	D2L CORPORATION
<b>Street Address:</b>	151 CHARLES STREET WEST
<b>Internal Address:</b>	SUITE 400
<b>City:</b>	KITCHENER
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	N2G 1H6

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14629098

**CORRESPONDENCE DATA****Fax Number:** (416)361-1398*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.***Phone:** 416-364-7311**Email:** cpascual@bereskinparr.com**Correspondent Name:** BERESKIN & PARR LLP/S.E.N.C.R.L.,S.R.L.**Address Line 1:** 40 KING STREET WEST**Address Line 2:** 40TH FLOOR**Address Line 4:** TORONTO, CANADA M5H 3Y2

<b>ATTORNEY DOCKET NUMBER:</b>	20628-P45540US00
<b>NAME OF SUBMITTER:</b>	JASON B. HYNES

PATENT

<b>SIGNATURE:</b>	/JBH/
<b>DATE SIGNED:</b>	05/13/2020
<b>Total Attachments: 7</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif	

## WORLDWIDE PATENT ASSIGNMENT

WHEREAS, **Matthew Campbell, and Joseph Wong**, each having a mailing address at 151 Charles Street West, Suite 400, Kitchener, Ontario N2G 1H6, **Chantal Jandard**, having a mailing address at 4024 Mission St., San Francisco, California, 94112, USA, **Dana Marr**, having a mailing address at 499 Clipper Dr, Waterloo, ON N2K 4B5, **Rylan Cottrell**, having a mailing address at 171 Colton Cir, Kitchener, ON, N2A 4K6, and **Josh Cheung**, having a mailing address at 153 Madison Heights Blvd, Markham, ON, L6C2E6 (hereinafter "Assignors"), are inventors of one or more inventions which are the subject of one or more patent applications as listed in the attached **Schedule A**;

WHEREAS, **D2L Corporation**, an Ontario company whose post office address is 151 Charles Street West, Suite 400, Kitchener, Ontario N2G 1H6 (hereinafter "Assignee"), has acquired from the Assignors their entire right, title and interest in and to the said invention(s), in all countries of the world, including the rights to the said application(s), any national and regional phase applications based on said application(s), and any Letters Patent, Registered Utility Models, or any registered form of protection that may be obtained from said application(s) (hereinafter collectively identified as "Registered Rights");

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors, by these presents confirm that they have sold, assigned and transferred, and do hereby sell, assign and transfer to said Assignee, their entire right, title and interest in the aforesaid invention(s) as of the effective date of **February 23, 2015**, in all countries of the world, including the rights to the said applications, and all related applications thereon, including any and all national and regional phase entry applications and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations, and continuations-in-part, as well as any Registered Rights, resulting from these applications, and in any and all reissues, extensions, renewals, reexaminations of such applications or Registered Rights, to the full end of the term or terms for which such Registered Rights issue.

The Assignors hereby confirm that the application(s) were made or were authorized to be made by themselves and that they believe themselves to be the original inventors or joint inventors of a claimed invention in the application(s). The Assignors hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than (5) years, or both.

The Assignors shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain Registered Rights for said invention(s) and for additions and modifications thereto in any and all countries, and to vest title thereto in said Assignee, its successors, assigns and legal representatives or nominees.


The Assignor(s) hereby grant(s) the firm of Bereskin & Parr LLP (Box 401, 40 King Street West, Toronto, Ontario, Canada M5H 3Y2) the power to insert on this assignment any further identification and any translation which may be necessary or desirable in order to comply with the rules for recordation of this document in any country.

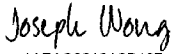
**ASSIGNORS**


DocuSigned by:  
*Chantal Jandard*  
Ch...C4A6EC49E683447...  
Date: April 11, 2020 | 10:23 PM EDT

DocuSigned by:  
*Matt Campbell*  
Matthew Campbell  
Date: March 30, 2020 | 2:00 PM EDT


DocuSigned by:  
**Dana Marr**  
Dana Marr  
Date: March 30, 2020 | 1:36 PM EDT

DocuSigned by:  
  
55686D794CA84B7...  
ryan cottrell  
Date: March 30, 2020 | 1:15 PM EDT

DocuSigned by:  
  
1AEAC9618A3B427...  
Joseph Wong  
Date: March 30, 2020 | 1:30 PM EDT

DocuSigned by:  
  
F30C379425CD4E6...  
Justin Cloutier  
Date: March 30, 2020 | 2:04 PM EDT

**ASSIGNEE:**

For: DocuSigned by:  
  
DD44990FADA6440...  
LZE Corporation  
Name: Jeremy Auger  
Title: Chief Strategy Officer  
Date: April 14, 2020 | 1:22 PM EDT

**Schedule A**

<b>B&amp;P Docket No.</b>	<b>Title</b>	<b>Application No.</b>	<b>Application Type</b>	<b>Filing Date</b>
P45540US00	SYSTEM AND METHOD FOR SHARING CONTENT	14/629,098	US Application	Feb. 23, 2015

## SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

<b>Title of Invention</b>	SYSTEM AND METHOD FOR SHARING CONTENT		
This statement is directed to:			
<input type="checkbox"/> The attached application, OR <input checked="" type="checkbox"/> United States application or PCT international application number <u>14/629,098</u> filed on <u>February 23, 2015</u> .			
<b>LEGAL NAME of inventor to whom this substitute statement applies:</b>			
<i>(E.g., Given Name (first and middle (if any)) and Family Name or Surname)</i>			
Claudia Peralta			
Residence (except for a deceased or legally incapacitated inventor):			
City	State	Country	
Kitchener	ON	CA	
Mailing Address (except for a deceased or legally incapacitated inventor):			
151 Charles Street West, Suite 400			
City	State	Zip	Country
Kitchener	ON	N2G 1H6	CA
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.			
The above-identified application was made or authorized to be made by me.			
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
Relationship to the inventor to whom this substitute statement applies:			
<input type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only), <input type="checkbox"/> Assignee, <input checked="" type="checkbox"/> Person to whom the inventor is under an obligation to assign, <input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or <input type="checkbox"/> Joint Inventor.			

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

**PATENT**  
**REEL: 052653 FRAME: 0159**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT**

Circumstances permitting execution of this substitute statement:

- Inventor is deceased,
- Inventor is under legal incapacity,
- Inventor cannot be found or reached after diligent effort, or
- Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

OR

- An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**Name: **Jeremy Auger**

Date (Optional): March 17, 2020 | 12:37 PM EDT

Signature: **APPLICANT NAME OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

If the applicant is a juristic entity, list the applicant name and the title of the signer:

D2L Corporation

Applicant Name:

Title of Person Executing This Substitute Statement: **Chief Strategy Officer**

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

**Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):**City **Kitchener**State **ON**Country **CA****Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)**

151 Charles Street West, Suite 400

City **Kitchener**State **ON**Zip **N2G 1H6**Country **CA**

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.



## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.