

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>SEQUENCE:</b>	1

**CONVEYING PARTY DATA**

Name	Execution Date
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	03/11/2013

**RECEIVING PARTY DATA**

<b>Name:</b>	DNNRESEARCH INC.
<b>Street Address:</b>	82 KENDAL AVENUE
<b>City:</b>	ONTARIO, TORONTO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	M54 1L9

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	14015768

**CORRESPONDENCE DATA****Fax Number:** (877)769-7945*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:** 617 542-5070**Email:** apsi@fr.com**Correspondent Name:** MICHAEL PORTNOV**Address Line 1:** FISH & RICHARDSON P.C.**Address Line 2:** P.O. BOX 1022**Address Line 4:** MINNEAPOLIS, MINNESOTA 55440-1022

<b>ATTORNEY DOCKET NUMBER:</b>	16113-4817001
<b>NAME OF SUBMITTER:</b>	NANCY MCCOY
<b>SIGNATURE:</b>	/Nancy McCoy/
<b>DATE SIGNED:</b>	06/05/2014

**Total Attachments: 3**

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## ASSIGNMENT OF PATENT RIGHTS

This Assignment of Patent Rights (the "Assignment") is executed, acknowledged and delivered by **The Governing Council of the University of Toronto**, a corporation vested with the government, management and control of the University of Toronto by the *University of Toronto Act, 1971*, Innovations & Partnerships Office, University of Toronto Banting Institute, 100 College Street, Suite 413, Toronto, Ontario M5G 1L5 ("Assignor"), in accordance with, and pursuant to the terms and conditions of the **GENERAL ASSIGNMENT OF INTELLECTUAL PROPERTY AND WAIVER OF RIGHTS AGREEMENT** (the "Agreement") executed on March 11, 2013 among Assignor, **DNNresearch Inc.**, a corporation incorporated under the *Canada Business Corporations Act* ("Assignee"), Geoffrey E. Hinton, Alexander Krizhevsky and Ilya Sutskever.

### NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees to and

- (a) irrevocably sells, assigns and transfers unto Assignee, free and clear of all liens, pledges, charges, claims, mortgages, security interests, defects of title, pre-emptive rights, vesting limitations, rights of first offer or refusal, community or marital property interests, transfer restrictions of any kind or other encumbrances of any sort, all of Assignor's right, title and interest throughout the world in and to the patents and/or patent applications set out in Appendix I (the "**Patents and Patent Applications**"), including without limitation, the right to apply for one or more patents in every country related to the Patents and Patent Applications, the right to receive any patent that may issue from any such applications, and the right to sell, license or otherwise convey the Patents and Patent Applications; and
- (b) sells, assigns and transfers to Assignee all of Assignor's rights to bring action and claim damages and any other forms of indemnification from third parties for past infringements or unauthorized use of the Patent and Patent Applications, whether occurring before or on the date of this Agreement in Canada, the United States and everywhere else throughout the world.

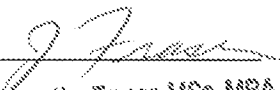
Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.



IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this 11 day of MARCH, 2013.

ASSIGNOR:

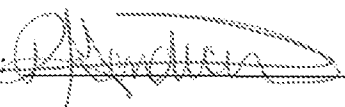
By:   
Name: Jennifer Fraser, MSc, MBA  
Title: Director, Innovations & Partnerships  
Life Sciences

NOTARIZATION MUST BE ON THIS PAGE

Subscribed and sworn to before me this 11 day of MARCH, 2013.

(Notarial Seal)

Notary Public

Signature: 

## APPENDIX I

### PATENTS AND PATENT APPLICATIONS

Country: US  
Application Number: 61/663,297  
Inventors: Volodymyr Mnih, Geoffrey Hinton  
Title: *System and Method for Labelling Aerial Images*  
Filing date: June 22 2012

Country: US  
Application Number: 61/731,047  
Inventors: Alexander Graves  
Title: *System and Method for Speech Recognition using Deep Recurrent Neural Networks*  
Filing date: Nov 29 2012

Country: US  
Application Number: 61/745,711  
Inventors: Geoffrey Hinton, Alex Krizhevsky, Ilya Sutskever, Nitish Srivastava  
Title: *System and Method for Addressing Overfitting in a Neural Network*  
Filing date: 24 Dec 2012

Country: US  
Application Number: 61/745,713  
Inventors: Alex Krizhevsky, Ilya Sutskever, Geoffrey Hinton  
Title: *System and Method for Generating Training Cases for Image Classification*  
Filing date: 24 Dec 2012

Country: US  
Application Number: 61/745,717  
Inventors: Alex Krizhevsky, Ilya Sutskever, Geoffrey Hinton  
Title: *System and Method for Parallelizing Convolutional Neural Networks*  
Filing date: 24 Dec 2012