

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7383251

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RYAN P. ADAMS	03/23/2015
ROLAND JASPER SNOEK	03/23/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PRESIDENT AND FELLOWS OF HARVARD COLLEGE
<b>Street Address:</b>	17 QUINCY STREET
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02138
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16121195
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-8646
<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>	16176468000
<b>Email:</b>	harvard.administrators@wolfgreenfield.com, daniel.rudoy@wolfgreenfield.com
<b>Correspondent Name:</b>	DANIEL G. RUDOY
<b>Address Line 1:</b>	WOLF, GREENFIELD & SACKS, PC
<b>Address Line 2:</b>	600 ATLANTIC AVENUE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	H0776.70089US02 - HARVARD
<b>NAME OF SUBMITTER:</b>	ANGELA M. GRIFFITH
<b>SIGNATURE:</b>	/Angela M. Griffith/
<b>DATE SIGNED:</b>	06/15/2022
<b>Total Attachments: 6</b>	
source=H077670089US02-ASI-DGR#page3.tif	
source=H077670089US02-ASI-DGR#page4.tif	
source=H077670089US02-ASI-DGR#page5.tif	

source=H077670089US02-ASI-DGR#page6.tif

source=H077670089US02-ASI-DGR#page7.tif

source=H077670089US02-ASI-DGR#page8.tif

Patent Assignment  
HU Case No.: HU 5115 (Adams)  
Appl. No.: 14/291,379  
WGS File No.: H0776.70089US01

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned:

**Ryan P. Adams**

(each hereafter "Assignor") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College  
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title, and interest throughout the world in and to any and all inventions for:

### **SYSTEMS AND METHODS FOR BAYESIAN OPTIMIZATION USING NON-LINEAR MAPPING OF INPUT**

described in **U.S. Patent Application No. 14/291,379**, filed **May 30, 2014**, and in and to the aforesaid application, in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee, or its successors and assigns, to communicate to said Assignee, its

**Patent Assignment**  
**HU Case No.: HU 5115 (Adams)**  
**Appl. No.: 14/291,379**  
**WGS File No.: H0776.70089US01**

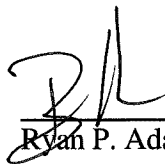
representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.


Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Patent Assignment  
HU Case No.: HU 5115 (Adams)  
Appl. No.: 14/291,379  
WGS File No.: H0776.70089US01

MAR 23, 2015  
Date

  
Inventor: Ryan P. Adams  
Address: 9B Pitman Street  
Somerville, Massachusetts 02143  
Citizenship: US

Witness:  
March 23, 2015  
Date

  
Signature  
Name: Ann Marie King  
Address: 114, 33 Oxford St  
Cambridge, MA 02138

Patent Assignment  
HU Case No.: HU 5115 (Adams)  
Appln. No.: 14/291,379  
WGS File No.: H0776.70089US01

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

**Roland Jasper Snoek**

(each hereafter "Assignor") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College  
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title, and interest throughout the world in and to any and all inventions for:

### **SYSTEMS AND METHODS FOR BAYESIAN OPTIMIZATION USING NON-LINEAR MAPPING OF INPUT**

described in U.S. Patent Application No. 14/291,379, filed May 30, 2014, and in and to the aforesaid application, in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee, or its successors and assigns, to communicate to said Assignee, its

Patent Assignment  
HU Case No.: HU 5115 (Adams)  
Appln. No.: 14/291,379  
WGS File No.: H0776.70089US01


representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.


Patent Assignment  
HU Case No.: HU 5115 (Adams)  
Appln. No.: 14/291,379  
WGS File No.: H0776.70089US01

March 23, 2015  
Date

  
Inventor: Roland Jasper Snoek  
Address: 295 Harvard Street  
Cambridge, Massachusetts 02139  
Citizenship: Netherlands

Witness:

March 23, 2015  
Date

  
Signature

Name: Ann Marie King

Address: Maxwell Dworkin 114  
33 Oxford Street,  
Cambridge MA 02138