

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6128576

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	GOOGLE INC.	09/21/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	DEEPMIND TECHNOLOGIES LIMITED	
<b>Street Address:</b>	5 NEW STREET SQUARE	
<b>City:</b>	LONDON	
<b>State/Country:</b>	UNITED KINGDOM	
<b>Postal Code:</b>	EC4A 3TW	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16866365
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(877)769-7945	
<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>	+1 (650) 839-5079	
<b>Email:</b>	apsi@fr.com, lswanson@fr.com	
<b>Correspondent Name:</b>	MINGKANG HE	
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.	
<b>Address Line 2:</b>	P.O.BOX 1022	
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022	
<b>ATTORNEY DOCKET NUMBER:</b>	45288-7821003	
<b>NAME OF SUBMITTER:</b>	LISA SWANSON	
<b>SIGNATURE:</b>	/Lisa Swanson/	
<b>DATE SIGNED:</b>	05/29/2020	
<b>Total Attachments: 9</b>		
source=Inc. to DM#page1.tif		
source=Inc. to DM#page2.tif		
source=Inc. to DM#page3.tif		
source=Inc. to DM#page4.tif		
source=Inc. to DM#page5.tif		

source=Inc. to DM#page6.tif

source=Inc. to DM#page7.tif

source=Inc. to DM#page8.tif

source=Inc. to DM#page9.tif

## ASSIGNMENT

WHEREAS, Google Inc., a corporation organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043, United States of America ("ASSIGNOR"), is the owner of the entire right, title and interest in and to the patents and/or patent applications listed in the attached Schedule A ("PATENTS AND PATENT APPLICATIONS").

WHEREAS, DeepMind Technologies Limited, a company organized under the laws of the United Kingdom, having a place of business at 5 New Street Square, London, EC4A 3TW United Kingdom ("ASSIGNEE"), desires to obtain the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

NOW, THEREFORE, in consideration of the good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns and transfers to ASSIGNEE all of ASSIGNOR'S right, title and interest in and to the PATENTS AND PATENT APPLICATIONS, and all rights of enforcement thereto, including all rights to sue or recover for the past infringement thereof, and further including the right to file and prosecute in its own name, wherever so permitted by law, patent applications, including corresponding applications, based on any of the PATENTS AND PATENT APPLICATIONS, and to claim priority to any of the PATENTS AND PATENT APPLICATIONS pursuant to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNEE may apply for and receive patents in its own name wherever so permitted by law and ASSIGNOR shall, when requested by ASSIGNEE, execute or cause to be executed all rightful oaths, assignments, and powers of attorney to ASSIGNEE or to agents and legal representatives of ASSIGNEE, and all other papers necessary and proper to carry out the intent and purpose of this Assignment, and ASSIGNOR further agrees:

a. to execute all papers necessary in connection with the PATENTS AND PATENT APPLICATIONS, and any continuing, divisional, reissue, reexamination or other corresponding application thereof and to execute any separate Assignment in connection with such application as ASSIGNEE may deem necessary or expedient; and

b. to perform all affirmative acts which may be necessary to obtain a grant of a valid patent to ASSIGNEE on any of the PATENTS AND PATENT APPLICATIONS and on any continuation, division, reissue or reexamination of any of the PATENTS AND PATENT APPLICATIONS.

ASSIGNOR retains no ownership rights in the patent applications, the patents, the inventions, and the rights transferred to ASSIGNEE hereunder.

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized representative on this 21 day of September, 2017.

Google Inc.

By:

Jeremiah Chan

Title: Assistant Secretary

Date: September 21, 2017

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

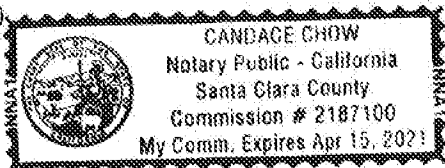
County of Santa Clara

On Sept. 21, 2017, before me personally appeared Jeremiah Chan, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



[Signature]  
Notary Public

ASSIGNEE hereby accepts receipt of the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

DeepMind Technologies Limited

By: 

Name: Kenneth Yi

Title: Director

Date: September 21, 2017

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

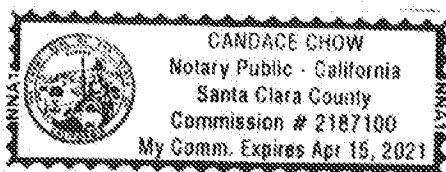
County of Santa Clara

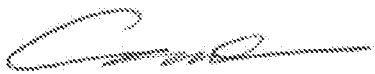
On Sept 21, 2017, before me personally appeared Kenneth Yi, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



  
Notary Public

# SCHEDULE A

<u>Application Number</u>	<u>Filing Date</u>	<u>Patent Number</u>	<u>Grant Date</u>	<u>Jurisdiction</u>
13/801,027	3/13/13	8,644,607	2/4/14	US
13/804,257	3/14/13	8,873,838	10/28/14	US
GB1304795.6	3/15/13			GB
13/925,637	6/24/13	9,342,781	5/17/16	US
14/097,862	12/5/13	9,679,258	6/13/17	US
14/155,434	1/15/14	8,971,669	3/3/15	US
2014800162095	3/10/14			CN
14715977.6	3/10/14			EP
2014800556218	10/7/14			CN
14819108.3	10/7/14			EP
201647015710	10/7/14			IN
14/731,348	6/4/15			US
14/733,862	6/8/15			US
14/821,463	8/7/15			US
14/821,549	8/7/15			US
2015800331844	10/15/15			CN
15791075.3	10/15/15			EP
14/885,086	10/16/15			US
14/971,617	12/16/15			US
2015800345762	12/21/15			CN
15826103.2	12/21/15			EP
14/977,201	12/21/15			US
15/016,173	2/4/16			US
15/016,160	2/4/16			US
2016800090876	2/5/16			CN
16714064.9	2/5/16			EP
PCT/US2016/016757	2/5/16			WO
16154406.9	2/5/16			EP
2016101392377	2/6/16			CN
2016103289385	4/6/16			CN
16164072.7	4/6/16			EP

15/091,840	4/6/16			US
15/172,068	6/2/16			US
15/172,074	6/2/16			US
PCT/US2016/035892	6/3/16			WO
16172981.9	6/3/16			EP
16172955.3	6/3/16			EP
PCT/US2016/035901	6/3/16			WO
15/174,133	6/6/16			US
15/174,806	6/6/16			US
15/174,020	6/6/16			US
PCT/US2016/043716	7/22/16			WO
15/217,758	7/22/16			US
2020160046277	7/27/16	202016004627.7	9/23/16	DE
2020160046285	7/27/16	202016004628.5	9/23/16	DE
15/243,747	8/22/16			US
PCT/US2016/051095	9/9/16			WO
15/261,579	9/9/16			US
15/280,711	9/29/16			US
15/280,784	9/29/16			US
62/402,914	9/30/16			US
62/406,363	10/10/16			US
62/413,366	10/26/16			US
62/417,235	11/3/16			US
62/418,144	11/4/16			US
62/418,149	11/4/16			US
62/418,170	11/4/16			US
62/418,159	11/4/16			US
62/418,120	11/4/16			US
62/418,074	11/4/16			US
PCT/US2016/061698	11/11/16			WO
15/349,950	11/11/16			US
PCT/US2016/061702	11/11/16			WO
15/349,900	11/11/16			US
PCT/US2016/061693	11/11/16			WO

15/349,894	11/11/16			US
PCT/US2016/061682	11/11/16			WO
15/349,966	11/11/16			US
PCT/US2016/061663	11/11/16			WO
15/349,666	11/11/16			US
PCT/US2016/064476	12/1/16			WO
15/367,094	12/1/16			US
PCT/US2016/066020	12/9/16			WO
15/374,974	12/9/16			US
15/382,383	12/16/16			US
PCT/US2016/069570	12/30/16			WO
15/396,289	12/30/16			US
PCT/US2016/069606	12/30/16			WO
15/396,332	12/30/16			US
PCT/US2016/069505	12/30/16			WO
15/395,553	12/30/16			US
PCT/US2016/069589	12/30/16			WO
15/396,319	12/30/16			US
PCT/US2016/069569	12/30/16			WO
15/396,331	12/30/16			US
PCT/US2017/014990	1/25/17			WO
62/452,930	1/31/17			US
PCT/US2017/016594	2/3/17			WO
15/424,708	2/3/17			US
PCT/US2017/016415	2/3/17			WO
15/424,685	2/3/17			US
62/455,387	2/6/17			US
15/438,436	2/21/17			US
62/463,540	2/24/17			US
62/463,538	2/24/17			US
62/463,532	2/24/17			US
62/463,558	2/24/17			US
62/475,794	3/23/17			US
62/484,821	4/12/17			US



62/485,720	4/14/17			US
15/594,228	5/12/17			US
62/506,507	5/15/17			US
PCT/US2017/033218	5/18/17			WO
PCT/US2017/033221	5/18/17			WO
PCT/US2017/033604	5/19/17			WO
15/600,696	5/19/17			US
PCT/US2017/033703	5/19/17			WO
PCT/US2017/033702	5/19/17			WO
PCT/US2017/033698	5/19/17			WO
PCT/US2017/033697	5/19/17			WO
62/508,991	5/19/17			US
62/508,972	5/19/17			US
62/509,040	5/19/17			US
62/509,023	5/19/17			US
62/509,024	5/19/17			US
62/508,976	5/19/17			US
62/509,020	5/19/17			US
62/509,049	5/19/17			US
62/509,042	5/19/17			US
62/509,051	5/19/17			US
62/509,059	5/20/17			US
62/509,053	5/20/17			US
62/511,945	5/26/17			US
62/515,458	6/5/17			US
62/517,826	6/9/17			US
62/517,824	6/9/17			US
15/619,393	6/9/17			US
62/525,099	6/26/17			US
62/526,293	6/28/17			US
62/526,290	6/28/17			US
62/531,269	7/11/17			US
PCT/US2017/042542	7/18/17			WO
62/540,817	8/3/17			US

PCT/US2017/050320	9/6/17			WO
15/697,407	9/6/17			US
PCT/US2017/050335	9/6/17			WO
62/331,904	5/4/16			US
62/363,652	7/18/16			US
62/339,763	5/20/16			US
62/172,011	6/5/15			US
PCT/GB2014/050695	3/10/14			WO
62/339,778	5/20/16			US
PCT/GB2014/050679	3/7/14			WO
PCT/US2015/055817	10/15/15			WO
62/096,716	12/24/14			US
13/903,772	5/28/13			US
62/113,318	2/6/15			US
13/804,382	3/14/13			US
62/286,915	1/25/16			US
62/292,158	2/5/16			US
13/956,671	8/1/13			US
62/292,186	2/5/16			US
62/265,912	12/10/15			US
62/339,753	5/20/16			US
62/034,657	8/7/14			US
62/339,764	5/20/16			US
62/034,369	8/7/14			US
62/009,097	6/6/14			US
62/339,703	5/20/16			US
62/254,684	11/12/15			US
62/064,965	10/16/14			US
13/648,097	10/9/12			US
62/292,169	2/5/16			US
62/261,781	12/1/15			US
PCT/US2015/67159	12/21/15			WO
62/339,785	5/20/16			US
13/588,097	8/17/12			US

62/384,115	9/6/16			US
GB1219650.7	11/1/12			GB
62/339,719	5/20/16			US
62/254,701	11/12/15			US
62/143,677	4/6/15			US
62/172,023	6/5/15			US
61/888,247	10/8/13			US
62/339,789	5/20/16			US
62/254,618	11/12/15			US
62/291,467	2/4/16			US
62/196,854	7/24/15			US
62/171,997	6/5/15			US
14/075,166	11/8/13			US
PCT/GB2013/051873	7/12/13			WO
61/883,620	9/27/13			US
62/339,782	5/20/16			US
62/339,784	5/20/16			US
62/268,406	12/16/15			US
62/384,123	9/6/16			US
62/171,935	6/5/15			US
62/254,610	11/12/15			US
62/009,127	6/6/14			US
62/285,950	11/12/15			US
62/172,009	6/5/15			US
62/292,167	2/5/16			US
62/217,547	9/11/15			US
PCT/US2014/059511	10/7/14			WO
13/648,105	10/9/12			US
GB1212518.3	7/13/12			GB
62/297,094	2/18/16			US
62/113,338	2/6/15			US