

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JON SHLENS	04/09/2019
	EKIN DOGUS CUBUK	04/12/2019
	QUOC LE	04/09/2019
	TSUNG-YI LIN	04/11/2019
	BARRET ZOPH	04/09/2019
	GOLNAZ GHIASI	04/09/2019
RECEIVING PARTY DATA		
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City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94043	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17702438
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	GGL-1754-CON	
NAME OF SUBMITTER:	JOSEPH J. PROBST	
SIGNATURE:	/Joseph J. Probst/	
DATE SIGNED:	03/25/2022	
Total Attachments: 2		

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JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Jon Shlens, a citizen of United States, residing in San Francisco, California; Ekin Dogus Cubuk, a citizen of Turkey, residing in San Francisco, California; Quoc Le, a citizen of Venezuela, residing in Sunnyvale, California; Tsung-Yi Lin, a citizen of Taiwan, residing in Sunnyvale, California; Barret Zoph, a citizen of United States, residing in San Francisco, California; and Golnaz Ghiasi, a citizen of Iran, residing in Mountain View, California, as assignors, have made an invention entitled

“LEARNING DATA AUGMENTATION STRATEGIES FOR OBJECT DETECTION”
as described in a patent application, the specification of which:

- ☐ is attached hereto.
- ☒ was filed on March 22, 2019 as U.S. Application Serial No. 62/822,630.
- ☐ was filed on _____ as PCT Application Serial No. _____.

WHEREAS, Google LLC, 1600 Amphitheatre Parkway, Mountain View, California 94043, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the patent application on this invention and any Letters Patent to be issued upon this patent application;

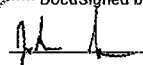
NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this patent application, and all divisions, and continuations thereof, and all Letters Patent which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all extensions, renewals, and reissues thereof, and all rights to sue and recover for past, present, and future infringement thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment, and we hereby authorize the assignee, its successors and assigns, and the attorney(s)

of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, the Assignors have executed this document on the date indicated below:

DocuSigned by:

469DA11E1A194EC... Jon Shlens

4/9/2019

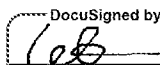
Date

DocuSigned by:

F44C678145F34BF... Ekin Dogus Cubuk

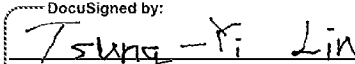
4/12/2019

Date

DocuSigned by:

B8EA38CFC5C1490... Quoc Le

4/9/2019

Date

DocuSigned by:

500023DDFBC14A3... Tsung-Yi Lin

4/11/2019

Date

DocuSigned by:

A2020CDE1EC544F... Barret Zoph

4/9/2019

Date

DocuSigned by:

EF04AE56F4ED4F1... Golnaz Ghiasi

4/9/2019

Date