506859317 09/08/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUMIN ZHAI	03/26/2015
THOMAS BREUEL	03/27/2015
OUAIS ALSHARIF	03/30/2015
YU OUYANG	03/30/2015
FRANCOISE BEAUFAYS	04/09/2015
JOHAN SCHALKWYK	04/07/2015

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:	17469622

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DATE SIGNED:	09/08/2021

PATENT REEL: 057416 FRAME: 0909 506859317

Total Attachments: 2

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PATENT REEL: 057416 FRAME: 0910

Attorney Docket No.: 1133-945US01

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ASSIGNMENT

For good and valuable consideration, which is hereby acknowledged, We, Shumin Zhai, Thomas Breuel, Ouais Alsharif, Yu Ouyang, Françoise Beaufays and Johan Schalkwyk of 1600 Amphitheatre Parkway, Mountain View, California 94043 hereby assign to: Google Inc., a corporation of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled NEURAL NETWORK FOR KEYBOARD INPUT DECODING, filed April 10, 2015, and assigned U.S. Serial Number 14/683,861; this assignment including said application, any provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted disclosing any of said inventions or improvements, and the right to claim priority based on the filing date of any of these applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment, and including any claims for damages by reason of past infringement or for provisional rights, and right to sue for and collect on such claims for the Assignee's own use and benefit. We hereby authorize Google Inc., its employees, and its legal representatives to fill in the serial number and filing date above after this document has been executed.

Date: ₋	Mar 26, 2015	(Street on 2 the (Star 26, 2015)
		Shumin Zhai
Date: _	Mar 27, 2015	Name of Bank
		Thomas Breuel
Date: _	Mar 30, 2015	Custo Alle Carlo (Carlo Carlo Car
		Ouais Alsharif
Date:	Mar 30, 2015	
		Yu Ouyang

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Attorney Docket No.: 1133-945US01

Date: Apr 9, 2015

Françoise Beaufays

Date: Apr 7, 2015

schilled

Johan Schalkwyk

PATENT REEL: 057416 FRAME: 0912