

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5479582

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KAO-PENG CHOU	04/16/2019
RECEIVING PARTY DATA		
Name:	GOOGLE LLC	
Street Address:	1600 AMPHITHEATRE PARKWAY	
City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94043	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16387000	
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	Todd@colbynipper.com	
Correspondent Name:	COLBY NIPPER	
Address Line 1:	291 EAST SHORE DRIVE	
Address Line 2:	SUITE 200	
Address Line 4:	EAGLE, IDAHO 83616	
ATTORNEY DOCKET NUMBER:	20350800US	
NAME OF SUBMITTER:	BRITTAN A. GLAD	
SIGNATURE:	/Brittan A. Glad/	
DATE SIGNED:	04/17/2019	
Total Attachments: 2		
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ASSIGNMENT

Whereas I, the ASSIGNOR herein,

Kao-Peng Chou

Taipei City, Taiwan 11677

have invented **Methods and Apparatus for HARQ in NOMA Transmission for 5G NR (Docket No. 20350800US)**, described, illustrated, and claimed in an application for Letters Patent in the United States of America.

WHEREAS, GOOGLE LLC, the ASSIGNEE herein, is a corporation organized and existing under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, USA, desires to acquire the entire right, title and interest in and to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, I, the said ASSIGNOR, have assigned and do hereby assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said inventions and all improvements thereon, in and to said patent application for Letters Patent thereon, in and to patent applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, I do hereby agree that I will, at the request of said ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, I do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said

inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

Signed:

DocuSigned by:

/ AEAA9BEF3A21417...
Kao-Peng Chou

4/16/2019

Date