

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CAHYA ADIANSYAH MASPUTRA	10/20/2018
SANDEEP NAIR	10/22/2018
KARAN SANGHI	10/22/2018
MINGZHE ZHANG	10/22/2018
JASON MCEL RATH	10/22/2018
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16146533
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NAME OF SUBMITTER:	MARK I. WANG
SIGNATURE:	/Mark I. Wang/
DATE SIGNED:	11/14/2018
Total Attachments: 2	

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PATENT

REEL: 047504 FRAME: 0835

ASSIGNMENT

WHEREAS, We, **CAHYA ADIANSYAH MASPUTRA**, a U.S. citizen, **SANDEEP NAIR**, an Indian citizen, **KARAN SANGHI**, an Indian citizen, **MINGZHE ZHANG**, a Chinese citizen, and **JASON MCELRATH**, a U.S. citizen, have invented certain new and useful improvements in a **METHODS AND APPARATUS FOR REGULATING NETWORKING TRAFFIC IN BURSTY SYSTEM CONDITIONS** for which we have filed an application for Letters Patent on September 28, 2018, in the United States, as Application Serial No. 16/146,533, which claims priority to U.S. Provisional Patent Application Serial No. 62/649,509 filed March 28, 2018;

AND WHEREAS, **APPLE INC.** (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at One Apple Park Way, Cupertino, California, 95014, United States of America, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

ASSIGNMENT


Executed this 20 day of October 2018.


CAHYA ADIANSYAH MASPUTRA

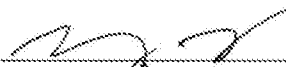
Executed this 22 day of October 2018.


SANDEEP NAIR

Executed this 22 day of oct 2018.


KARAN SANGHI

Executed this 22 day of October 2018.


MINGZHE ZHANG

Executed this 22 day of October 2018.


JASON MCELRATH