



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 14, 2022

PTAS

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ATLANTA, GA 30309

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 10/21/2022

REEL/FRAME: 061736/0532
NUMBER OF PAGES: 7

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE TYPOGRAPHICAL ERRORS IN THE MIDDLE AND LAST NAME ON THE TENTH NAMED INVENTOR PREVIOUSLY RECORDED AT REEL: 058377 FRAME: 0988. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT.

DOCKET NUMBER: 090911-P55803USP1-1281266

ASSIGNOR:
ROSSBACH, RALF

DOC DATE: 12/08/2021

ASSIGNOR:
SIROTKIN, ALEXANDER

DOC DATE: 12/08/2021

ASSIGNOR:
XU, FANGLI

DOC DATE: 12/08/2021

ASSIGNOR:
HU, HAIJING

DOC DATE: 12/07/2021

ASSIGNOR:
LIANG, HUARUI

DOC DATE: 12/09/2021

ASSIGNOR:
PALLE VENKATA, NAVEEN KUMAR R.

DOC DATE: 12/07/2021

ASSIGNOR:
NUGGEHALLI, PAVAN

DOC DATE: 12/07/2021

ASSIGNOR:
VANGALA, SARMA V.

DOC DATE: 12/07/2021

ASSIGNOR:
GURUMOORTHY, SETHURAMAN

DOC DATE: 12/07/2021

ASSIGNOR:
MANITHARA VAMANAN, SUDEEP

DOC DATE: 12/08/2021

ASSIGNOR:
CHEN, YUQIN

DOC DATE: 12/08/2021

ASSIGNOR:
WU, ZHIBIN

DOC DATE: 12/07/2021

ASSIGNEE:
APPLE INC.
ONE APPLE PARK WAY
CUPERTINO, CALIFORNIA 95014

APPLICATION NUMBER: 63282929

FILING DATE: 11/24/2021

PATENT NUMBER:

ISSUE DATE:

TITLE: PACKET FRAMING FOR APPLICATION DATA UNIT TRANSMISSION

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7602363

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TYPOGRAPHICAL ERRORS IN THE MIDDLE AND LAST NAME OF THE TENTH NAMED INVENTOR previously recorded on Reel 058377 Frame 0988. Assignor(s) hereby confirms the ASSIGNMENT..																										
CONVEYING PARTY DATA																											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>RALF ROSSBACH</td><td>12/08/2021</td></tr><tr><td>ALEXANDER SIROTKIN</td><td>12/08/2021</td></tr><tr><td>FANGLI XU</td><td>12/08/2021</td></tr><tr><td>HAIJING HU</td><td>12/07/2021</td></tr><tr><td>HUARUI LIANG</td><td>12/09/2021</td></tr><tr><td>NAVEEN KUMAR R. PALLE VENKATA</td><td>12/07/2021</td></tr><tr><td>PAVAN NUGGEHALLI</td><td>12/07/2021</td></tr><tr><td>SARMA V. VANGALA</td><td>12/07/2021</td></tr><tr><td>SETHURAMAN GURUMOORTHY</td><td>12/07/2021</td></tr><tr><td>SUDEEP MANITHARA VAMANAN</td><td>12/08/2021</td></tr><tr><td>YUQIN CHEN</td><td>12/08/2021</td></tr><tr><td>ZHIBIN WU</td><td>12/07/2021</td></tr></tbody></table>	Name	Execution Date	RALF ROSSBACH	12/08/2021	ALEXANDER SIROTKIN	12/08/2021	FANGLI XU	12/08/2021	HAIJING HU	12/07/2021	HUARUI LIANG	12/09/2021	NAVEEN KUMAR R. PALLE VENKATA	12/07/2021	PAVAN NUGGEHALLI	12/07/2021	SARMA V. VANGALA	12/07/2021	SETHURAMAN GURUMOORTHY	12/07/2021	SUDEEP MANITHARA VAMANAN	12/08/2021	YUQIN CHEN	12/08/2021	ZHIBIN WU	12/07/2021	
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<table border="1"><tr><td>Name:</td><td>APPLE INC.</td></tr><tr><td>Street Address:</td><td>ONE APPLE PARK WAY</td></tr><tr><td>City:</td><td>CUPERTINO</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95014</td></tr></table>	Name:	APPLE INC.	Street Address:	ONE APPLE PARK WAY	City:	CUPERTINO	State/Country:	CALIFORNIA	Postal Code:	95014																	
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CORRESPONDENCE DATA																											
Fax Number:	(415)576-0300																										
<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>																											
Phone:	(415) 576-0200																										
Email:	TDIEP@KILPATRICKTOWNSEND.COM																										

ASSIGNMENT OF PROVISIONAL PATENT APPLICATION

WHEREAS, Ralf Rossbach, Alexander Sirotkin, Fangli Xu, Haijing Hu, Huarui Liang, Naveen Kumar R. Pale Venkata, Pavan Nuggehalli, Sarma V. Vangala, Sethuraman Gurumoorthy, Sudeep Manithara Vamanan, Yuqin Chen, and Zhibin Wu, hereinafter referred to as “Assignors,” are the inventors of the invention described and set forth in the below-identified provisional patent application:

Title of Invention: **PACKET FRAMING FOR APPLICATION DATA UNIT TRANSMISSION**
Filing Date: November 24, 2021
Application No.: 63/282,929

WHEREAS, APPLE INC., a corporation of the state of California, located at One Apple Park Way, Cupertino, California 95014, United States of America, hereinafter referred to as “ASSIGNEE,” is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee’s successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignors, but at Assignee’s expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee’s successors and assigns.

Assignor hereby authorize and request Kilpatrick Townsend & Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

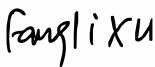
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Signature: /  / Date: 08-Dec-2021

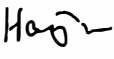
Ralf Rossbach

Signature: /  / Date: 08-Dec-2021

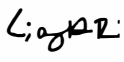
Alexander Sirotkin

Signature: /  / Date: 08-Dec-2021

Fangli Xu

Signature: /  / Date: 07-Dec-2021

Haijing Hu

Signature: /  / Date: 09-Dec-2021

Huarui Liang

Signature: /  / Date: 07-Dec-2021

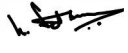
Naveen Kumar R. Palle Venkata

Signature: /  / Date: 07-Dec-2021

Pavan Nuggehalli

Signature: /  / Date: 07-Dec-2021

Sarma V. Vangala

Signature: /  / Date: 07-Dec-2021

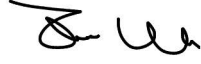
Sethuraman Gurumoorthy

Signature: /  / Date: 08-Dec-2021

Sudeep Manithara Vamanan

Signature: / Yuqin Chen / Date: 08-Dec-2021

Yuqin Chen

Signature: /  / Date: 07-Dec-2021

Zhibin Wu