503497173 09/25/2015

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| SONGPING WU | 08/27/2015 |
| KIRILL KALINICHEV | 07/28/2015 |
| GREG NAYMAN | 07/28/2015 |
| GEORGI BELOEV | 07/29/2015 |
| ZHIPING YANG | 09/03/2015 |

RECEIVING PARTY DATA

| Name: | APPLE INC. |
|-----------------|-----------------|
| Street Address: | 1 INFINITE LOOP |
| City: | CUPERTINO |
| State/Country: | CALIFORNIA |
| Postal Code: | 95014 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14641170 |

CORRESPONDENCE DATA

Fax Number: (858)675-1674

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.

Correspondent Name: GAZDZINSKI & ASSOCIATES

Address Line 1: 16644 WEST BERNARDO DR., SUITE 201

Address Line 4: SAN DIEGO, CALIFORNIA 92127

| ATTORNEY DOCKET NUMBER: | APPLE.569A/P25078US1 | |
|-------------------------|---------------------------|--|
| NAME OF SUBMITTER: | PETER J. GUTIERREZ, III | |
| SIGNATURE: | /Peter J. Gutierrez, III/ | |
| DATE SIGNED: | 09/25/2015 | |

Total Attachments: 3

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PATENT REEL: 036661 FRAME: 0765

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PATENT REEL: 036661 FRAME: 0766

Docket: APPLE.569A/P25078US1

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ASSIGNMENT

WHEREAS, We, SONGPING WU, ZHIPING YANG, KIRILL KALINICHEV, GREG NAYMAN, and

GEORGI BELOEV have invented certain new and useful improvements in an METHODS AND APPARATUS FOR

EQUALIZATION OF A HIGH SPEED SERIAL BUS for which we have filed an application for Letters Patent on

March 6, 2015, in the United States, as Application Serial No. 14/641,170;

AND WHEREAS, APPLE INC. (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of

business at 1 Infinite Loop, 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.

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PATENT

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ASSIGNMENT

| Executed this 27 day of | Angust | 20 / 5. |
|---------------------------|--------|-------------------|
| | | SONGPING WU |
| Executed this day of | | 20 |
| | | ZHIPING YANG |
| Executed this 28th day of | July | 20 15. |
| | | KIRILL KALINICHEV |
| Executed this 28th day of | July | 20 15. |
| | | GREG NAYMAN |
| Executed this 29th day of | July | 20 15. |
| | | GEORGI BELOEV |

PATENT REEL: 036661 FRAME: 0768

Docket: APPLE.569A/P25078US1

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ASSIGNMENT

| Executed this | day of | 20 |
|----------------|-----------------------|-------------------|
| | | SONGPING WU |
| Executed this3 | _day of <u>Sept</u> . | 20 <u>_/5_</u> . |
| | | ZHIPING YANG |
| Executed this | day of | 20 |
| | | KIRILL KALINICHEV |
| Executed this | day of | 20 |
| | | GREG NAYMAN |
| Executed this | day of | 20 |
| | | GEORGI BELOEV |

PATENT REEL: 036661 FRAME: 0769

RECORDED: 09/25/2015