505044361 08/09/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NACHIAPPAN CHIDAMBARAM NACHIAPPAN	07/17/2018
DAVID L. TRAWICK	07/13/2018
YIU CHUN TSE	07/17/2018
DENIZ BALKAN	07/17/2018
HENGSHENG GENG	07/23/2018
SHAWN MUNETOSHI FUKAMI	08/08/2018
JAIDEEP DASTIDAR	07/21/2018
BENJAMIN K. DODGE	07/17/2018
VINODH R. CUPPU	07/17/2018

RECEIVING PARTY DATA

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Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16059766

CORRESPONDENCE DATA

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NAME OF SUBMITTER: RORY D. RANKIN

PATENT 505044361 REEL: 046606 FRAME: 0165

SIGNATURE:	/Rory D. Rankin/
DATE SIGNED:	08/09/2018
Total Attachments: 6	
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PATENT REEL: 046606 FRAME: 0166

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Apple Inc. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at One Apple Park Way, Cupertino, CA 95014, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled SYSTEMS AND METHODS FOR PROVIDING A BACK PRESSURE FREE INTERCONNECT, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

(Signature)	Conschippen	Date: 07/17/2018
Name:	Nachiappan Chidambaram Nachiappan	
(Signature)	Davíd L. Trawick	Date:
Name:	David L. Trawick	
(Signature)	Yiu Chun Tye	Date: 07/17/2018
(Signature)	Debte Balkan	Date: 07/17/7018
Name:	Demiz Balkan	ş
(Signature)_	Hengsheng Geng	Date:
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Name:	Jaideep Dastidar	
(Signature)		Date:07/17/2018
Name:	Benjamin K. Dodge	
(Sionature)	Vinodh R. Cumu	Date: 7/17/2018
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Page 2 of 2

(Signature) Name	Nachiappan Chidambaram Nachiappan	Date:
(Signature) Name:		Date: <u></u>
(Signature) Name:	Yiu Chun Tse	Date:
(Signature) Name:	Deniz Balkan	Date
(Signature) Name:	Hengsheng Geng	Date:
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(Signature) Name	Benjamin K. Dodge	Date
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(Signature)_		Date:
Name:	Shawn Munetoshi Fukami	
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Name:	Jaideep Dastidar	
(Signature)_	Benjamin K. Dodge	Date:
Name:	Benjamin K. Dodge	
(Signature) _	Vinodh R. Cuppu	Date:
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PATENT REEL: 046606 FRAME: 0170

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(Signature) _ Name:	Hengsheng Geng	Date:	:
(Signature) _ Name:	Shawn Munetoshi Fukami	Date: 8	8/18
	Jaideep Dastidar	Date:	
(Signature) _ Name:	Benjamin K. Dodge	Date:	
(Signature) Name:	Vinodh R. Cuppu	Date:	

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PATENT REEL: 046606 FRAME: 0171

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	Hengsheng Geng	Date:
	Shawn Munetoshi Fukami	Date:
	Jaideep Dastidar	Date: 7/21/2018
	Benjamin K. Dodge	Date:
(Signature) _	Vinodh R. Cuppu	Date:

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PATENT REEL: 046606 FRAME: 0172

RECORDED: 08/09/2018