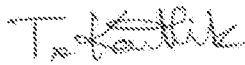


PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3957813

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KARTHIK THIRUKANNAN	05/27/2016
KEERTHIVASAN SURESH	05/27/2016
KRISHNAVELAN SIVARAMAN	05/27/2016
RECEIVING PARTY DATA	
Name:	MBIT WIRELESS, INC.
Street Address:	18021 COWAN
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92614
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15206443
CORRESPONDENCE DATA	
Fax Number:	(908)654-0415
<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:	(908) 518-6355
Email:	assignment@lernerdavid.com
Correspondent Name:	LDLK&M
Address Line 1:	600 SOUTH AVENUE WEST
Address Line 4:	WESTFIELD, NEW JERSEY 07090
ATTORNEY DOCKET NUMBER:	MBIT 3.0F-066
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	07/12/2016
Total Attachments: 3	
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source=MBIT 3 0F-066 Assignment_87#page2.tif	
source=MBIT 3 0F-066 Assignment_87#page3.tif	

ASSIGNMENT OF PATENT APPLICATION	Docket Number (Optional) MBIT 3.0F-066
WHEREAS, I, <u>Karthik Thirukannan of No. 16, Tamilsevi Street, Kamaraj Nagar, Puducherry-605 011, INDIA</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR ADAPTIVE COVARIANCE ESTIMATION" (hereafter "Patent Application"), ☐ WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and ☒ WHEREAS (if the left box is checked), the Patent Application names the following inventors: <u>Karthik Thirukannan, Keerthivasan Suresh, and Krishnavelan Sivaraman</u> (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. <u>15/206,443</u>, filed on <u>July 11, 2016</u> the application number and filing date of the application when known], and WHEREAS, <u>MBIT WIRELESS, INC.</u>, incorporated or otherwise formed in California and having a place of business at <u>18021 Cowan Irvine California 92614</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same; NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision. <u>05-27-2016</u> _____ (Date)  _____ (Signature)	

ASSIGNMENT OF PATENT APPLICATION

Docket Number (Optional)

MBIT 3.0F-066

WHEREAS, I, Keerthivasan Suresh of A4 S104, Navin's Springfield, 1/85, Thiruvalluvar Street, Vadakupatti, Medavakkam, Chennai-600100, INDIA, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR ADAPTIVE COVARIANCE ESTIMATION" (hereafter "Patent Application").

☐ WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and

☒ WHEREAS (if the left box is checked), the Patent Application names the following inventors: Karthik Thirukannan, Keerthivasan Suresh, and Krishnaveelan Sivaraman (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Menik, LLP, to insert in here in brackets (Application No. 15/206,443, filed on July 11, 2016) the application number and filing date of the application when known), and

WHEREAS, MBIT WIRELESS, INC., incorporated or otherwise formed in California and having a place of business at 18021 Cowan, Irvine, California 92614 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

27 / MAY / 2016

(Date)

S. Keerthivasan

(Signature)

PATENT

REEL: 039134 FRAME: 0305

ASSIGNMENT OF PATENT APPLICATION	Docket Number (Optional) MBIT 3.0F-086
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WHEREAS, I, Krishnavelan Sivaraman of No.1, Ground Floor, Main Street, Lourdu Nagar, Villianur, Puducherry- 605 110, INDIA, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR ADAPTIVE COVARIANCE ESTIMATION" (hereafter "Patent Application"),

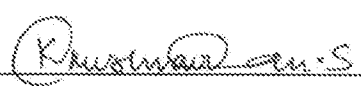
☐ WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and

☒ WHEREAS (if the left box is checked), the Patent Application names the following inventors: Karthik Thirukannan, Keerthivasan Suresh, and Krishnavelan Sivaraman (and whereas I hereby authorize Lerner, David, Litfienberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/206,443, filed on July 11, 2016] the application number and filing date of the application when known), and

WHEREAS, MBIT WIRELESS, INC., incorporated or otherwise formed in California and having a place of business at 18921 Cowan, Irvine, California, 92614 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

27/MAY/2016
(Date)


(Signature)