

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5076105

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VOBAL TECHNOLOGIES, LLC	01/02/2018
RECEIVING PARTY DATA	
Name:	JOHN A. NIX
Street Address:	807 DAVIS STREET
Internal Address:	UNIT 2207
City:	EVANSTON
State/Country:	ILLINOIS
Postal Code:	60201
PROPERTY NUMBERS Total: 5	
Property Type	Number
Application Number:	15928848
Application Number:	15972914
Application Number:	15973012
Application Number:	15983957
Application Number:	16036506
CORRESPONDENCE DATA	
Fax Number:	(212)336-8001
<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:	2123368000
Email:	ptodocket@arelaw.com, vgilmore@arelaw.com
Correspondent Name:	AMSTER, ROTHSTEIN & EBENSTEIN LLP
Address Line 1:	90 PARK AVENUE
Address Line 4:	NEW YORK, NEW YORK 10016
ATTORNEY DOCKET NUMBER:	63121/0160-0163, 0167
NAME OF SUBMITTER:	CHARLES R. MACEDO
SIGNATURE:	/Charles R. Macedo/
DATE SIGNED:	07/31/2018
Total Attachments: 7	

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**Confirmation of No Right, Title, or Interest in and to Assigned Patents and Assignment of
Any Remaining Rights to Assignee**

WHEREAS, Vobal Technologies, LLC ("**VOBAL**"), an Illinois corporation, with its principal place of business at 828 Davis Street, Suite 304, Evanston, Illinois 60201, and John A. Nix ("**NIX**"), a resident of the State of Illinois, with his residence at 807 Davis Street, Unit 2207, Evanston, Illinois 60201, previously entered into a Patent Rights Agreement on February 17, 2014 ("February 17, 2014 Patent Rights Agreement"), under which VOBAL agreed to waive and assign to NIX any and all of its rights, titles and interest in and to the patents and patent applications listed in the attached **Exhibit A**, as well as other presently existing or subsequently obtained patent rights resulting from any continuation, divisional, continuation-in-part, reexamination, reissue, or other post-grant issuance of such patents and patent applications, and any and all foreign counterparts of such patents and patent applications (collectively, the "**PATENTS**"), and NIX in turn agreed to provide VOBAL with a certain economic interest derived from proceeds generated by the PATENTS as specified in paragraph A2 of the February 17, 2014 Patent Rights Agreement; and

WHEREAS, NIX subsequently assigned all of his rights, titles and interest in and to the PATENTS to M2M and IOT Technologies, LLC ("**ASSIGNOR**"), an Illinois corporation, with its principal place of business at 807 Davis Street, Unit 2207, Evanston, Illinois 60201; and

WHEREAS, Network-1 Technologies, Inc. ("**ASSIGNEE**"), a Delaware corporation, with offices at 445 Park Avenue, Suite 912, New York, New York 10022, is desirous of acquiring from ASSIGNOR the entire right, title and interest in and to the PATENTS; and

WHEREAS, VOBAL wishes to clarify and confirm that it no longer retains any right, title, or interest in and to the PATENTS, and the inventions described therein, and each and every patent that can be issued on the PATENTS and on said inventions in the United States of America and in its territories and possessions, and in any and all countries foreign to the United States of America; and

WHEREAS, VOBAL wishes to clarify and confirm that ASSIGNEE can acquire from ASSIGNOR the entire right, title and interest in and to the PATENTS without any obligation to or encumbrance from VOBAL.

NOW, THEREFORE, in consideration of good and valuable consideration received by VOBAL, the receipt and sufficiency of which is hereby acknowledged, VOBAL hereby agrees that:

1. VOBAL confirms that it consents and had consented to the assignment of the PATENTS from VOBAL to NIX as set forth in the Assignment of Patent Rights dated February 28, 2014, and from NIX to ASSIGNOR as set forth in the Confirmatory Patent Assignment Agreement dated December 29, 2017; and
2. VOBAL hereby consents to the assignment of the PATENTS from ASSIGNOR to ASSIGNEE, as set forth in the Assignment of Patents from ASSIGNOR to ASSIGNEE dated December 29, 2017 ("ASSIGNMENT"); and
3. VOBAL waives all rights, titles and interest, and retains no right, title, or interest, in and to the PATENTS and the inventions found in the PATENTS, including all income, royalties, damages and payments now or hereafter due or payable in respect to the PATENTS, and all causes of action (either in law or in equity) and the sole right to sue, counterclaim and recover for past, present and future infringement of the PATENTS, or any continuation, continuation-in-part claiming said inventions or improvements, divisional, renewal, or substitute thereof, and, as to the Letters Patents, any reissue or re-examination or other post-grant issuance thereof; and
4. Vobal represents and warrants to NIX and ASSIGNEE that no past, current or future patent rights or patent licenses have been expressly or implicitly granted under the PATENTS by VOBAL; and
5. To the extent VOBAL retained any of the rights, titles and interest in the PATENTS and the inventions found in the PATENTS and all other rights set forth in the ASSIGNMENT, VOBAL hereby sells, assigns and transfers to ASSIGNEE any remaining right, title, and interest in the PATENTS and the inventions found in the PATENTS and all other rights as set forth in the ASSIGNMENT; and
6. To the extent VOBAL is entitled to any economic interest derived from proceeds generated by the PATENTS pursuant to paragraph A2 of the February 17, 2014 Patent Rights Agreement between VOBAL and NIX ("Vobal Agreement"), the obligation to provide any such economic interest to VOBAL remains solely and entirely with NIX. VOBAL hereby agrees and confirms that VOBAL has received full payment of all consideration due to Vobal under the Vobal Agreement, and that NIX has performed all obligations under the Vobal Agreement, including the obligation to provide the economic interest derived from proceeds generated by the PATENTS pursuant to paragraph A2 of the Vobal Agreement. VOBAL

PATENT

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hereby agrees and confirms that VOBAL has no right, claim, title, or interest in and to obtaining any such economic interest from ASSIGNEE and its successors, assigns, and legal representatives.

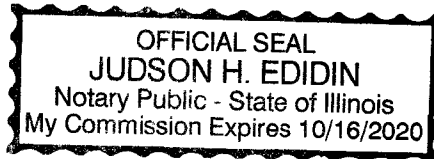
IN WITNESS WHEREOF, VOBAL has signed this Agreement on the date indicated adjacent to their respective signatures below.

Vobal Technologies, LLC

Dated: January 2, 2018

By: [Signature]
Name: Ronnie Raviv
Title: Manager and
Chief Operating Officer

STATE OF ILLINOIS)
) ss.:
COUNTY OF COOK)



On this 2nd day of JANUARY, 2018, before me came Ronnie Raviv to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he had executed the same.

[Signature]
Notary Public

Dated: January 7, 2018

By: [Signature]
Name: John Nix
Title: Manager and
Chief Executive Officer

STATE OF ILLINOIS)
) ss.:
COUNTY OF COOK)

On this 2nd day of JANUARY, 2018, before me came John Nix to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he had executed the same.

[Signature]
Notary Public

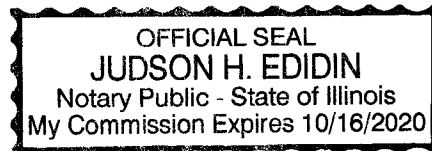


Exhibit A

**CONFIRMATION OF NO RIGHT, TITLE, OR INTEREST IN AND TO ASSIGNED
PATENTS AND ASSIGNMENT OF ANY REMAINING RIGHTS TO ASSIGNEE**

PATENTS

Issued Patents

	Application No.	Title	Filed	Patent No.	Issued
1	14/023,181	Power Management and Security for Wireless Modules in "Machine-to-Machine" Communications	Sept. 10, 2013	9,350,550	May 24,2016
2	14/039,401	Secure PKI Communications for "Machine-to-Machine" Modules, Including Key Derivation by Modules and Authenticating Public Keys	Sept. 27, 2013	9,288,059	Mar. 15, 2016
3	14/055,606	Systems and Methods for "Machine-to-Machine" (M2M) Communications between Modules, Servers, and an Application Using Public Key Infrastructure (PKI)	Oct. 16, 2013	9,276,740	Mar. 1, 2016
4	14/064,618	Set of Servers for "Machine-to-Machine" Communications Using Public Key Infrastructure	Oct. 28, 2013	9,118,464	Aug. 25, 2015
5	14/084,141	Key Derivation for a Module Using an Embedded Universal Integrated Circuit Card	Nov. 19, 2013	9,319,223	Apr. 19, 2016
6	14/099,329	Embedded Universal Integrated Circuit Card Supporting Two-Factor Authentication	Dec. 6, 2013	9,100,175	Aug. 4, 2015
7	14/136,711	Module for "Machine-to-Machine" Communications Using Public Key Infrastructure	Dec. 20, 2013	9,300,473	Mar. 29, 2016
8	14/139,419	Network Supporting Two-Factor Authentication for Modules Embedded Universal Integrated Circuit Cards	Dec. 23, 2013	9,351,162	May 24, 2016
9	15/010,905	Systems and Methods for "Machine-to-Machine" (M2M) Communications Between Modules, Servers, and an Application Using Public Key Infrastructure (PKI)	Jan. 29, 2016	9,641,327	May 2, 2017

ISSUED PATENTS (continued)

	Application No.	Title	Filed	Patent No.	Issued
10	14/789,255	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	Jul. 1, 2015	9,596,078	Mar. 14, 2017
11	15/162,302	Power Management and Security for Wireless Modules in “Machine-to-Machine” Communications	May 23, 2016	9,698,981	July 4, 2017
12	15/130,146	Key Derivation for a Module Using an Embedded Universal Integrated Circuit Card	Apr. 15, 2016	9,742,562	Aug 22, 2017

U.S. and International Patent Applications

U.S.

	Application No.	Title	Filed	Patent No.	Issued
1	15/642,088	Power Management and Security for Wireless Modules in “Machine-to-Machine” Communications	Jul. 5, 2017		
2	15/043,293	Secure PKI Communications for “Machine-to-Machine” Modules, Including Key Derivation by Modules and Authenticating Public Keys	Feb. 12, 2016		
3	15/583,968	Systems and Methods for “Machine-to-Machine” (M2M) Communications between Modules, Servers, and an Application Using Public Key Infrastructure (PKI)	May 1, 2017		
4	15/457,700	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	Mar. 13, 2017		
5	14/751,119	Embedded Universal Integrated Circuit Card Supporting Two-Factor Authentication	Jun. 25, 2015		
6	15/162,292	Network Supporting Two-Factor Authentication for Modules Embedded Universal Integrated Circuit Cards	May 23, 2016		
7	15/680,758	Key Derivation for a Module Using an Embedded Universal Integrated Circuit Card	Aug. 18, 2017		

US and International Patent Applications (continued)

International

	Application No.	Title	Filed	Patent No.	Issued
1	PCT/US14/62435	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	Oct. 27, 2014		
2	PCT/US14/68544	Embedded Universal Integrated Circuit Card Supporting Two-Factor Authentication	Dec. 4, 2014		
3	AU 2014342646 (Australia)	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	Oct. 27, 2014		
4	GB 1608573.0 (United Kingdom)	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	Oct. 27, 2014		
5	2,965,119 (Canada)	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	Oct. 27, 2014		
6	17101082.8 (Hong Kong)	Set of Servers for “Machine-to-Machine” Communications Using Public Key Infrastructure	[TBD]		
7	14868381.6 (EPO)	Embedded Universal Integrated Circuit Card Supporting Two-Factor Authentication	Dec. 4, 2014		
8	2,969,829 (Canada)	Embedded Universal Integrated Circuit Card Supporting Two-Factor Authentication	Dec. 4, 2017		
9	17106540.3 (Hong Kong)	Embedded Universal Integrated Circuit Card Supporting Two-Factor Authentication	Jun. 30, 2017		