

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI935195

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
Vobal Technologies, LLC		03/31/2025
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	IOT and M2M Technologies, LLC	
<b>Street Address:</b>	807 Davis Street, Unit 2207	
<b>City:</b>	Evanston	
<b>State/Country:</b>	ILLINOIS	
<b>Postal Code:</b>	60201	
<b>PROPERTY NUMBERS Total: 21</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16980987	
<b>Application Number:</b>	17253111	
<b>Application Number:</b>	18210776	
<b>Application Number:</b>	18602866	
<b>Application Number:</b>	16805172	
<b>Application Number:</b>	17748706	
<b>Application Number:</b>	18479099	
<b>Application Number:</b>	17481599	
<b>Application Number:</b>	62644195	
<b>Application Number:</b>	18111307	
<b>Application Number:</b>	62653785	
<b>Application Number:</b>	16376998	
<b>Application Number:</b>	18444596	
<b>Application Number:</b>	62687411	
<b>Application Number:</b>	19068687	
<b>Application Number:</b>	62812710	
<b>Application Number:</b>	18904406	
<b>Application Number:</b>	62767585	
<b>Application Number:</b>	16683242	
<b>PCT Number:</b>	US1922184	

PATENT

<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US1937911

**CORRESPONDENCE DATA**

**Fax Number:** 2123368001

*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.*

**Phone:** 2123368000

**Email:** ptodocket@arelaw.com,vgilmore@arelaw.com

**Correspondent Name:** Thomas E. Hart

**Address Line 1:** Amster Rothstein Ebenstein LLP

**Address Line 2:** 405 Lexington Avenue, Flr 48

**Address Line 4:** New York, NEW YORK 10174

<b>ATTORNEY DOCKET NUMBER:</b>	63121 (NET3)
<b>NAME OF SUBMITTER:</b>	Mrs. Victoria GILMORE
<b>SIGNATURE:</b>	/Mrs. Victoria GILMORE/
<b>DATE SIGNED:</b>	04/04/2025

**Total Attachments: 7**

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## Exhibit 2E

### **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 August 16, 2018 (“August 16, 2018 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 August 16, 2018 Patent Rights Agreement; and

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

**WHEREAS**, Vobal subsequently assigned all of its rights, titles and interest in and to the PATENTS to ASSIGNOR; and

**WHEREAS**, Network-1 Technologies, Inc. (“**ASSIGNEE**”), a Delaware corporation, with offices at 65 Locust Avenue, Third Floor, New Canaan, Connecticut 06840, 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 Patent Rights Agreement dated August 16, 2018, and as amended on September 26, 2018, and from NIX to ASSIGNOR as set forth in the Assignment of Patents dated February 11, 2019; 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 March 31, 2025 ("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 August 16, 2018 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 hereby agrees and

**PATENT**

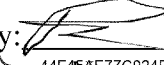
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confirms that VOBAL has no right, claim, title, or interest in and to obtaining any such economic interest from ASSIGNEE and its successors, assigns, and legal representatives.

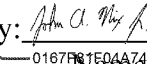
**IN WITNESS WHEREOF**, VOBAL has signed this Agreement on the date indicated adjacent to their respective signatures below.

**Vobal Technologies, LLC**

Dated: March 31, 2025

Signed by:  
By:   
44F45AE7ZC024E8  
Name: Ronnie Raviv  
Title: Manager and  
Chief Operating Officer

Dated: March 31, 2025

Signed by:  
By:   
0167F81E0AA74D4  
Name: John Nix  
Title: Manager and  
Chief Executive Officer

**Exhibit A**  
**ISSUED PATENTS**

	<b>Application No.</b>	<b>Title</b>	<b>Filed</b>	<b>Patent No.</b>	<b>Issued</b>
1	16/041,397	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	20-Jul-2018	10,204,233	12-Feb-2019
2	16/033,996	HOSTED DEVICE PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	12-Jul-2018	10,169,587	1-Jan-2019
3	16/186,150	HOSTED DEVICE PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	9-Nov-2018	10,621,352	14-Apr-2020
4	16/827,681	HOSTED DEVICE PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	23-Mar-2020	11,409,896	9-Aug-2022
5	16/980,987	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED TRANSDUCERS	15-Sep-2020	11,621,832	4-Apr-2023
6	15/575,908	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	21-Nov-2017	11,080,414	3-Aug-2021
7	16/194,842	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	19-Nov-2018	10,296,752	21-May-2019
8	16/362,631	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	23-Mar-2019	10,380,362	13-Aug-2019
9	17/373,205	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	12-Jul-2021	11,748,500	5-Sep-2023

## U.S. and International Applications

### U.S.

	<b>Application No.</b>	<b>Title</b>	<b>Filed</b>	<b>Patent No.</b>	<b>Issued</b>
1	63/732,930	STORAGE MEMORY UNIT WITH A SHARED NONVOLATILE MEMORY INTERFACE	63/732,930		
2	62/691,255	ECDHE KEY EXCHANGE FOR MUTUAL AUTHENTICATION USING A KEY SERVER	28-Jun-2018		
3	62/687,411	ECDHE KEY EXCHANGE FOR SERVER AUTHENTICATION AND A KEY SERVER	20-Jun-2018		
4	62/672,977	HOSTED DYNAMIC PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED RESPONDER	17-May-2018		
5	62/664,057	HOSTED DYNAMIC PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	27-Apr-2018		
6	62/653,785	DEVICE DEFAULT WIFI CREDENTIALS FOR SIMPLIFIED AND SECURE CONFIGURATION OF NETWORKED TRANSDUCERS	6-Apr-2018		
7	62/644,195	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED			
8	17/883,356	HOSTED DEVICE PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	8-Aug-2022		
9	18/111,307	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED TRANSDUCERS	17-Feb-2023		
10	17/354,725	Cryptographic unit for public key infrastructure (PKI) operations	22-Jun-2021		
11	62/165,317	Cryptographic Unit For Public Key Infrastructure (PKI) Operations	22-May-2015		

**PATENT**

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**International**

	<b>Application No.</b>	<b>Title</b>	<b>Filed</b>	<b>Patent No.</b>	<b>Issued</b>
1	PCT/US2019/022184	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED TRANSDUCERS	14-Mar-2019		
2	CA3018526	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	18-May-2016		
3	EP16800509	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	18-May-2016		
4	PCT/US2016/033096	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	18-May-2016		
5	CA3110641	A HOSTED DEVICE PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	17-Apr-2019		
6	EP19721941	HOSTED DYNAMIC PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	17-Apr-2019		
7	PCT/US2019/027968	A HOSTED DEVICE PROVISIONING PROTOCOL WITH SERVERS AND A NETWORKED INITIATOR	17-Apr-2019		
8	CA3090703	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED TRANSDUCERS	14-Mar-2019		



9	EP19713978	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED TRANSDUCERS	14-Mar-2019		
10	EP22208913	CONFIGURATION SYSTEMS AND METHODS FOR SECURE OPERATION OF NETWORKED TRANSDUCERS	14-Mar-2019		
11	EP21181972	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	18-May-2016		
12	HK19121139	CRYPTOGRAPHIC UNIT FOR PUBLIC KEY INFRASTRUCTURE (PKI) OPERATIONS	19-Mar-2019		

**PATENT****RECORDED: 04/04/2025****REEL: 070736 FRAME: 0060**