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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT4117437

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| CARLOS AUGUSTO LEITE NETTO | 10/18/2016 |
| CARLOS ANDRÉ BRANCO GUIMARÃES | 10/18/2016 |
| RECEIVING PARTY DATA | |
| Name: | MATERA SYSTEMS, INC. |
| Street Address: | 1845 WALNUT STREET |
| Internal Address: | SUITE 1300 |
| City: | PHILADELPHIA |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 19103-4796 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15283840 |
| CORRESPONDENCE DATA | |
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| <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> | |
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| ATTORNEY DOCKET NUMBER: | P11599US00/BAS |
| NAME OF SUBMITTER: | STACY JOHNSON |
| SIGNATURE: | /Stacy Johnson/ |
| DATE SIGNED: | 10/27/2016 |
| Total Attachments: 2 | |
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| source=P11599US00Assignment#page2.tif | |

ASSIGNMENT OF PATENT APPLICATION

(US rights only - all US rights assigned by inventors to a single assignee)

WHEREAS,

- 1) Carlos Augusto LEITE NETTO
- 2) Carlos André Branco GUIMARÃES

residing respectively at

- 1) Rua Carapa, 327, Alphaville, Campinas – SP, BRAZIL 13098-330
- 2) Rua Álvaro Bosco, 157 apto. 51-B, Condomínio Spazio Della Felicità, Residencial Villa Bella, Campinas – SP, BRAZIL 13087-723

(hereinafter referred to as the "ASSIGNOR") has/have invented certain new and useful improvements in **METHOD FOR PAYMENT AUTHORIZATION ON OFFLINE MOBILE DEVICES WITH IRREVERSIBILITY ASSURANCE**

for which an application for a United States Patent

- was executed on even date herewith
- was executed on
- was filed on October 3, 2016, as Application No.: 15/283,840

And WHEREAS, **Matera Systems Inc.**

whose Post Office Address is 1845 Walnut Street, Suite 1300, Philadelphia, Pennsylvania, 19103-4796, USA

(hereinafter referred to as the "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof.

NOW THEREFORE in consideration of the sum of ten U.S. dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR does hereby assign, sell, transfer and set over unto the ASSIGNEE the entire right, title and interest in and to said application and the invention(s) and improvement(s) therein disclosed, for the United States of America, and any Letters Patent which may issue therefor in the United States and all divisions, continuations, reissues, renewals and/or extensions thereof, said ASSIGNEE to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, continuations, reissues, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR had this assignment not been made.


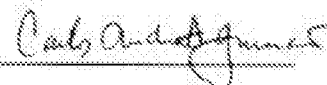
And for the consideration aforesaid, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEE or the representatives thereof any facts known to ASSIGNOR respecting the invention(s) and improvement(s) of the said United States application, and will, upon request, but without expense to ASSIGNOR, testify in any legal proceedings, sign all

lawful papers, execute all divisional, reissue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said ASSIGNEE or by counsel for said ASSIGNEE, to assist or enable said ASSIGNEE to obtain and enforce full benefits from the rights and interests herein assigned.

This assignment shall be binding upon the ASSIGNOR's heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of the ASSIGNEE.

The Commissioner of Patents is requested to issue such Letters Patent in accordance with this assignment.

I hereby authorize and request any attorney of record in said Application or any attorney of Stites & Harbison, PLLC, Customer Nos. 881, 24350 or 32885, to insert above any information concerning the identity of the parties or of said Application (including the serial no. and filing date).

| <u>NAME</u> | <u>SIGNATURE</u> | <u>DATE</u> |
|-------------------------------------|--|------------------|
| 1) Carlos Augusto LEITE NETTO |  | October 18, 2016 |
| 2) Carlos André Branco GUIMARÃES |  | October 18, 2016 |