

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5551662

|   |                              |
|---|------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT               |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                   |
| <b>CONVEYING PARTY DATA</b>   |                              |
| <b>Name</b>   | <b>Execution Date</b>        |
| KIRANKUMAR MURALIDHARAN   | 05/23/2019                   |
| SATHISHKUMAR UDAYANARAYANAN   | 05/23/2019                   |
| <b>RECEIVING PARTY DATA</b>   |                              |
| <b>Name:</b>  | SMART IOPS, INC.             |
| <b>Street Address:</b>  | 1551 MCCARTHY BOULEVARD      |
| <b>Internal Address:</b>  | SUITE 208                    |
| <b>City:</b>  | MILPITAS                     |
| <b>State/Country:</b>   | CALIFORNIA                   |
| <b>Postal Code:</b>   | 95035                        |
| <b>PROPERTY NUMBERS Total: 1</b>  |                              |
| <b>Property Type</b>  | <b>Number</b>                |
| <b>Application Number:</b>  | 16429239                     |
| <b>CORRESPONDENCE DATA</b>  |                              |
| <b>Fax Number:</b>  | (314)446-3360                |
| <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> |                              |
| <b>Phone:</b>   | 314-446-3359                 |
| <b>Email:</b>   | ipdocket@goldbergsegalla.com |
| <b>Correspondent Name:</b>  | LYNN LEHNERT                 |
| <b>Address Line 1:</b>  | 8000 MARYLAND                |
| <b>Address Line 2:</b>  | SUITE 640                    |
| <b>Address Line 4:</b>  | ST. LOUIS, MISSOURI 63105    |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 18000.0256                   |
| <b>NAME OF SUBMITTER:</b>   | LYNN LEHNERT                 |
| <b>SIGNATURE:</b>   | /Lynn Lehnert/               |
| <b>DATE SIGNED:</b>   | 06/03/2019                   |
| This document serves as an Oath/Declaration (37 CFR 1.63).  |                              |
| <b>Total Attachments: 4</b>   |                              |
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| source=SIO-002_Assignment#page2.tif   |                              |

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## ASSIGNMENT

WHEREAS, We, Kirankumar **MURALIDHARAN** and Sathishkumar **UDAYANARAYANAN**, Assignors, respectively, have invented certain new and useful improvements described and/or claimed in the below listed application(s) and seek to hereby assign all our rights, title, and interest in and to those invention(s):

entitled,

### **MEMORY ACCESS SYSTEM**

WHEREAS, **Smart IOPS, Inc.**, a United States corporation, having a place of business at 1551 McCarthy Boulevard, Suite 208, Milpitas, CA 95035, U.S. (Assignee), is desirous of acquiring the entire right, title, and interest in and to said invention, said application(s), and all Letters Patent(s) that may be granted therefrom in the United States, its territorial possessions, and in any and all foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, by these presents do sell, assign, and transfer unto said Assignee and said Assignee's legal representatives, successors, and assigns, the full and exclusive right, title and interest, in the United States, its territorial possessions, and all foreign countries, to said invention(s) and said application(s), as well as any subsequent application(s) (including divisions, reissues, continuations, substitutions and renewals thereof) that claim(s) priority based upon the filing date of said application(s) and any and all Letters Patents, both domestic and foreign, that may or shall result therefrom, including the right to claim in respect of any subsequent United States and foreign patent applications and patents, the priority date of any of said applications under any United States statute and/or international convention or treaty;

We hereby authorize and request the Patent Office Officials in the United States, its territorial possessions, and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignees of our entire right, title, and interest in and to the

same, for the sole use and benefit of said ASSIGNEE, their successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

UPON CONSIDERATION, we do hereby covenant and agree with said Assignee that we will not execute any writing nor do any act whatsoever conflicting with these presents, and that we will at any time upon request, without further or additional consideration, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary and desirable to perfect said Assignee's enjoyment of this grant, and render all necessary assistance in making an application for and obtaining provisional, original, continuation, continuation-in-part, divisional, reissued, re-examined or extended patents of the United States, its territorial possessions, or any and all foreign countries on said invention, and in enforcing any rights or causes of action in the United States, its territorial possessions, or any and all foreign countries accruing as a result of such applications or Letters Patents, including but not limited to, giving testimony in any proceedings or transactions involving such applications or patents, and executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of all parties hereto.

The undersigned hereby grants the firm of Goldberg Segalla LLP the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

**ASSIGNOR**

Dated: MAY 23, 2019



Kirankumar Muralidharan

Title: PRINCIPAL SYSTEMS ARCHITECT

**STATEMENT OF WITNESS**

SATHISHKUMAR  
I, UDAYANARAYANAN, whose full post address is G2D1, PURVA FAIRMONT, 24<sup>TH</sup> MAIN, HSR LAYOUT,  
BANGALORE 560102  
was personally present and did witness, Kirankumar Muralidharan, who is known to me, execute  
the above assignment.



Signature of Witness

**ASSIGNOR**

Dated: MAY 23, 2019

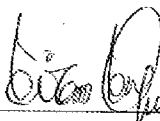


Sathishkumar Udayanarayanan

Title: PRINCIPAL SYSTEMS ARCHITECT

**STATEMENT OF WITNESS**

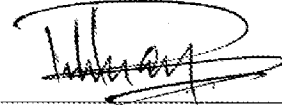
I, KIRAN KUMAR M., whose full post address is ABCA, AMARA COURTYARD, MUNNEKOLLA MAIN ROAD,  
MARATHAHALLI, BANGALORE - 560027  
was personally present and did witness, Sathishkumar Udayanarayanan, who is known to me,  
execute the above assignment.



Signature of Witness

ASSIGNEE

Dated: MAY 14, 2019



Name: RADHAKRISHNAN NAIR

Title: CHIEF OPERATING OFFICER

**STATEMENT OF WITNESS**

I, SHRIHARSHA K, whose full post address is # 1-66/1 ANUGRAHA HOUSE, KOILA, BANTWAL, 574211 was personally present and did witness, RADHAKRISHNAN NAIR, who is known to me, execute the above assignment.



Signature of Witness