

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4667702

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|---|------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT               |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                   |
| <b>CONVEYING PARTY DATA</b>   |                              |
| <b>Name</b>   | <b>Execution Date</b>        |
| JASON CRABTREE  | 10/31/2017                   |
| ANDREW SELLERS  | 10/31/2017                   |
| IAN MACLEOD   | 10/31/2017                   |
| <b>RECEIVING PARTY DATA</b>   |                              |
| <b>Name:</b>  | FRACTAL INDUSTRIES, INC.     |
| <b>Street Address:</b>  | 11091 SUNSET HILL ROAD       |
| <b>Internal Address:</b>  | SUITE 210                    |
| <b>City:</b>  | RESTON                       |
| <b>State/Country:</b>   | VIRGINIA                     |
| <b>Postal Code:</b>   | 20190                        |
| <b>PROPERTY NUMBERS Total: 1</b>  |                              |
| <b>Property Type</b>  | <b>Number</b>                |
| <b>Application Number:</b>  | 15791058                     |
| <b>CORRESPONDENCE DATA</b>  |                              |
| <b>Fax Number:</b>  | (360)674-6233                |
| <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>   | 3606746233                   |
| <b>Email:</b>   | erin@galvinpatentlaw.com     |
| <b>Correspondent Name:</b>  | GALVIN PATENT LAW LLC        |
| <b>Address Line 1:</b>  | 2916 NW BUCKLIN HILL ROAD    |
| <b>Address Line 2:</b>  | SUITE 485                    |
| <b>Address Line 4:</b>  | SILVERDALE, WASHINGTON 98383 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 4939                         |
| <b>NAME OF SUBMITTER:</b>   | ERIN DOBBS                   |
| <b>SIGNATURE:</b>   | /Erin Dobbs/                 |
| <b>DATE SIGNED:</b>   | 10/31/2017                   |
| <b>Total Attachments: 4</b>   |                              |
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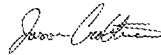
ASSIGNMENT (4939)

For good and valuable consideration, receipt of which is hereby acknowledged, I, Jason Crabtree, Andrew Sellers, and Ian MacLeod do hereby sell, assign and transfer unto **Fractal Industries, Inc.** having its principal place of business at 11091 Sunset Hill Road, Suite 210, Reston, VA 20190 USA (hereinafter called the "Assignee"), its successors and assigns, the entire world-wide title, interest and right, including the right of priority controlled by me, in, to and under Letters Patent of the United States, the patent application, docket number 4939 entitled "**AUTOMATED CYBER PHYSICAL THREAT CAMPAIGN ANALYSIS AND ATTRIBUTION**" which bears application serial number 15/791,058, filed on October 23, 2017, and the invention and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore based on the original application for said U. S. Letters Patent, and all divisions, reissues, substitutions, continuations, and extensions thereof which may be granted relating thereto in any country; and

For the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them, described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of appeal and interface proceedings involving said inventions and in the adjudication or re-examination of said Letters Patent provided the expenses which may be incurred by me in lending such cooperation and assistance be paid by the Assignee.

For the additional consideration of one dollar (\$1), receipt of which is hereby acknowledged I, Jason Crabtree, Andrew Sellers, and Ian MacLeod do hereby sell, assign and transfer unto **Fractal Industries, Inc.** any residual rights, including all moral rights, related to the patent application, docket number 4939, entitled "**AUTOMATED CYBER PHYSICAL THREAT CAMPAIGN ANALYSIS AND ATTRIBUTION**" which bears application serial number 15/791,058, filed on October 23, 2017, the invention and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore based on the original application for said U. S. Letters Patent, and all divisions, reissues, substitutions, continuations, and extensions thereof which may be granted relating thereto in any country.

Signature of Assignor(s):



10/25/2017

\_\_\_\_\_  
Jason Crabtree

\_\_\_\_\_  
Date

\_\_\_\_\_  
Andrew Sellers

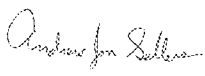
\_\_\_\_\_  
Date

\_\_\_\_\_  
Ian MacLeod

\_\_\_\_\_  
Date

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Signature of Assignor(s):

|  |                     |
|--|---------------------|
| _____<br>Jason Crabtree  | _____<br>Date       |
| <br>_____<br>Andrew Sellers | _____<br>10/25/2017 |
| _____<br>Andrew Sellers  | _____<br>Date       |
| _____<br>Ian MacLeod   | _____<br>Date       |

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Signature of Assignor(s):

\_\_\_\_\_  
Jason Crabtree

\_\_\_\_\_  
Date

\_\_\_\_\_  
Andrew Sellers

\_\_\_\_\_  
Date



\_\_\_\_\_  
Ian MacLeod

\_\_\_\_\_  
10/25/2017  
Date