

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM471331

|   |   |                       |                       |
|---|---|-----------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                                    |                       |                       |
| <b>NATURE OF CONVEYANCE:</b>  | RELEASE OF SECURITY INTEREST                      |                       |                       |
| <b>CONVEYING PARTY DATA</b>   |   |                       |                       |
| <b>Name</b>   | <b>Formerly</b>                                   | <b>Execution Date</b> | <b>Entity Type</b>    |
| Hercules Capital, Inc.  | FORMERLY Hercules Technology Growth Capital, Inc. | 04/20/2018            | Corporation: MARYLAND |
| <b>RECEIVING PARTY DATA</b>   |   |                       |                       |
| <b>Name:</b>  | Rive Technology, Inc.                             |                       |                       |
| <b>Street Address:</b>  | One Canal Park, 4th Floor                         |                       |                       |
| <b>City:</b>  | Cambridge   |                       |                       |
| <b>State/Country:</b>   | MASSACHUSETTS                                     |                       |                       |
| <b>Postal Code:</b>   | 02141   |                       |                       |
| <b>Entity Type:</b>   | Corporation: DELAWARE                             |                       |                       |
| <b>PROPERTY NUMBERS Total: 2</b>  |   |                       |                       |
| <b>Property Type</b>  | <b>Number</b>                                     | <b>Word Mark</b>      |                       |
| <b>Registration Number:</b>   | 4225907   | RIVE                  |                       |
| <b>Registration Number:</b>   | 4350679   | MOLECULAR HIGHWAY     |                       |
| <b>CORRESPONDENCE DATA</b>  |   |                       |                       |
| <b>Fax Number:</b>  | 6178327000  |                       |                       |
| <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>   | 617-832-1000                                      |                       |                       |
| <b>Email:</b>   | ustrademark@foleyhoag.com                         |                       |                       |
| <b>Correspondent Name:</b>  | Joshua S. Jarvis, Esq.                            |                       |                       |
| <b>Address Line 1:</b>  | 155 Seaport Boulevard                             |                       |                       |
| <b>Address Line 2:</b>  | Foley Hoag LLP                                    |                       |                       |
| <b>Address Line 4:</b>  | Boston, MASSACHUSETTS 02210                       |                       |                       |
| <b>NAME OF SUBMITTER:</b>   | Joshua S. Jarvis                                  |                       |                       |
| <b>SIGNATURE:</b>   | /joshuasjarvis/                                   |                       |                       |
| <b>DATE SIGNED:</b>   | 04/25/2018  |                       |                       |
| <b>Total Attachments: 4</b>   |   |                       |                       |
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ACKNOWLEDGEMENT OF RELEASE OF  
INTELLECTUAL PROPERTY SECURITY AGREEMENT

WHEREAS, Rive Technology, Inc., a Delaware corporation ("*Borrower*") is the owner of record of the patents and applications listed on the attached Exhibit 1 (the "*Patents*") and the trademarks listed on the attached Exhibit 2 (the "*Trademarks*"), and has rights under the license agreements listed on the attached Exhibit 3 (the "*Licenses*", together with the Patents and the Trademarks, the *IP Collateral*);

WHEREAS, Borrower has entered into an Intellectual Property Security Agreement dated as of January 27, 2016 (the "*IP Security Agreement*") between Borrower and Hercules Capital, Inc., formerly known as Hercules Technology Growth Capital, Inc. (the "*Secured Party*");

WHEREAS, the IP Security Agreement has been recorded in the United States Patent and Trademark Office on February 2, 2017, at Reel 037809 / Frame 0115 (Patents); and

WHEREAS, the Secured Party desires to release its security interest in the IP Collateral and terminate the IP Security Agreement.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Secured Party hereby acknowledges that it, without warranty as to status of title or priority of the encumbrances being hereby released, releases, discharges, terminates and cancels all right, title and interest in, to and under the IP Collateral, including, without limitation, any security interest it may have in the IP Collateral, and retransfers and reassigns any and all right, title, and interest it may have in the foregoing without recourse to the Borrower.

IN WITNESS WHEREOF, the Secured Party has caused this Acknowledgement of Release of Intellectual Property Security Agreement to be executed by its duly authorized officer as of April 20, 2018.

HERCULES CAPITAL, INC. (formerly known as Hercules  
Technology Growth Capital, Inc.)

By: 

Name: Zhuo Huang

Title: Associate General Counsel

Exhibit 1

Patents

|                     |          |
|---------------------|----------|
| Patent Number:      | 8008223  |
| Patent Number:      | 8524624  |
| Patent Number:      | 8932974  |
| Patent Number:      | 7807132  |
| Patent Number:      | 8206498  |
| Patent Number:      | 8524625  |
| Patent Number:      | 8486389  |
| Patent Number:      | 8685875  |
| Application Number: | 13911558 |
| Application Number: | 14229878 |
| Application Number: | 13458426 |
| Application Number: | 13440781 |
| Application Number: | 13740839 |
| Application Number: | 13741079 |
| Application Number: | 13740916 |
| Application Number: | 14075661 |

Exhibit 2

Trademarks

| Mark                 | Status     | Country | Reg. No. | Reg. Date  | Goods  |
|----------------------|------------|---------|----------|------------|--|
| RIVE                 | Registered | U.S.    | 4225907  | 10/16/2012 | Class 01 Int. Zeolite, namely, a family of hydrous aluminum silicate minerals, for use in catalysis and separating mixtures of molecules through adsorption processes              |
| MOLECULAR<br>HIGHWAY | Registered | U.S.    | 4350679  | 6/11/2013  | Class 40 Int. Treatment of materials for namely, providing chemical processing of catalysts, adsorbents and other porous materials to enhance the pore structure of such materials |

### Exhibit 3

#### Licenses

1. The Company licenses patents from the Massachusetts Institute of Technology ("MIT") pursuant to the Exclusive Patent License Agreement dated May 10, 2006 between MIT and the Company (as amended, restated, modified, the "MIT License Agreement"). On or about February 21, 2013, the Company exercised its option under the MIT License Agreement to include the fields of specialty chemicals and bulk chemicals to its patent license from MIT.
2. The Company licenses software used in the Company's business from KBC Advanced Technologies, Inc. ("KBC") pursuant to the Software License and Maintenance Agreement dated April 19, 2013 between KBC and the Company.
3. The Company licenses software used in the Company's business from Aspen Technology, Inc. ("Aspen") pursuant to the Software License and Maintenance Agreement dated June 25, 2011 between Aspen and the Company.