

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM717522

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Security Agreement		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Mu Sigma, Inc.		03/29/2022	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	BMO Harris Bank N.A., as Agent		
<b>Street Address:</b>	111 West Monroe Street		
<b>City:</b>	Chicago		
<b>State/Country:</b>	ILLINOIS		
<b>Postal Code:</b>	60603		
<b>Entity Type:</b>	Association: UNITED STATES		
<b>PROPERTY NUMBERS Total: 21</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	6147786	SERVICE-AS-A SOFTWARE	
<b>Registration Number:</b>	6213786	MU SIGMA SERVICE-AS-A SOFTWARE	
<b>Registration Number:</b>	5617533	MUIDA	
<b>Registration Number:</b>	5932347	MUOBI	
<b>Registration Number:</b>	5609404	MUVCL	
<b>Registration Number:</b>	5627947	MUOBI	
<b>Registration Number:</b>	5622856	MUDSC	
<b>Registration Number:</b>	5362282	MUVX	
<b>Registration Number:</b>	6649044	THE ART OF PROBLEM SOLVING SYSTEM LEARNI	
<b>Registration Number:</b>	5668010	MUCHECK	
<b>Registration Number:</b>	5680793	MUUNIVERSE	
<b>Registration Number:</b>	5510634	MUUNIVERSE	
<b>Registration Number:</b>	5718664	MU SIGMA	
<b>Registration Number:</b>	4550092	MURX	
<b>Registration Number:</b>	4550093	MUFLOW	
<b>Registration Number:</b>	4550094	MUPDNA	
<b>Registration Number:</b>	4550096	MUSTREAM	
<b>Registration Number:</b>	4562236	MU SIGMA	
<b>Registration Number:</b>	5398864	MU SIGMA DO THE MATH	

OP \$540.00 6147786

Property Type	Number	Word Mark
Registration Number:	4253347	DIPP
Serial Number:	86684558	ART OF PROBLEM SOLVING SYSTEM

**CORRESPONDENCE DATA**

**Fax Number:**

*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: 18888295819  
 Email: john.cunningham@wolterskluwer.com  
 Correspondent Name: CT Corporation  
 Address Line 1: 208 S. LaSalle  
 Address Line 2: Suite 814  
 Address Line 4: Chicago, ILLINOIS 60604

<b>NAME OF SUBMITTER:</b>	Diandra M. LaMantia
<b>SIGNATURE:</b>	/Diandra M. LaMantia/
<b>DATE SIGNED:</b>	03/29/2022

**Total Attachments: 8**

- source=Trademark Collateral Agreement (4)#page1.tif
- source=Trademark Collateral Agreement (4)#page2.tif
- source=Trademark Collateral Agreement (4)#page3.tif
- source=Trademark Collateral Agreement (4)#page4.tif
- source=Trademark Collateral Agreement (4)#page5.tif
- source=Trademark Collateral Agreement (4)#page6.tif
- source=Trademark Collateral Agreement (4)#page7.tif
- source=Trademark Collateral Agreement (4)#page8.tif

# RECORDATION FORM COVER SHEET TRADEMARKS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies):

Mu Sigma, Inc.

- Individual(s)                       Association  
 Partnership                       Limited Partnership  
 Corporation- State: Delaware  
 Other \_\_\_\_\_

Citizenship (see guidelines) \_\_\_\_\_

Additional names of conveying parties attached?  Yes  No

### 3. Nature of conveyance/Execution Date(s) :

Execution Date(s) March 29, 2022

- Assignment                       Merger  
 Security Agreement                       Change of Name  
 Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Additional names, addresses, or citizenship attached?  Yes  
 No

Name: BMO Harris Bank N.A., as Agent

Street Address: 111 West Monroe Street

City: Chicago

State: Illinois

Country: USA Zip: 60603

- Individual(s) Citizenship \_\_\_\_\_  
 Association Citizenship USA  
 Partnership Citizenship \_\_\_\_\_  
 Limited Partnership Citizenship \_\_\_\_\_  
 Corporation Citizenship \_\_\_\_\_  
 Other \_\_\_\_\_ Citizenship \_\_\_\_\_

If assignee is not domiciled in the United States, a domestic representative designation is attached:  Yes  No  
(Designations must be a separate document from assignment)

### 4. Application number(s) or registration number(s) and identification or description of the Trademark.

A. Trademark Application No.(s) \_\_\_\_\_ Text \_\_\_\_\_

See Schedule A attached hereto and made a part hereof.

B. Trademark Registration No.(s) \_\_\_\_\_

See Schedule A attached hereto and made a part hereof.

Additional sheet(s) attached?  Yes  No

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

### 5. Name & address of party to whom correspondence concerning document should be mailed:

Name: Diandra M. LaMantia

Internal Address: Chapman and Cutler LLP

Street Address: 111 West Monroe Street

City: Chicago

State: Illinois Zip: 60603

Phone Number: 312-845-3274

Docket Number: \_\_\_\_\_

Email Address: lamantia@chapman.com

### 6. Total number of applications and registrations involved:

21

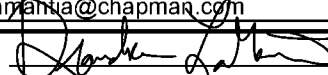
### 7. Total fee (37 CFR 2.6(b)(6) & 3.41) \$ \_\_\_\_\_

- Authorized to be charged to deposit account  
 Enclosed

### 8. Payment Information:

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

9. Signature: , for Chapman and Cutler LLP

3/29/22

Signature

Date

Diandra M. LaMantia, Paralegal

Name of Person Signing

Total number of pages including cover sheet, attachments, and document:

## TRADEMARK COLLATERAL AGREEMENT

This 29th day of March, 2022, MU SIGMA, INC., a Delaware corporation ("*Debtor*") with its principal place of business and mailing address at 3400 Dundee Rd Suite 160 Northbrook IL 60062 in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, collaterally assigns, mortgages and pledges to BMO HARRIS BANK N.A., with its mailing address at 111 West Monroe Street, Chicago, Illinois 60603, acting as administrative agent for the Secured Creditors as defined in the Security Agreement referred to below (BMO Harris acting as such administrative agent and any successor or successors to BMO Harris acting in such capacity being hereinafter referred to as the "*Agent*"), and grants to Agent for the benefit of the Secured Creditors a continuing security interest in and to all of the right, title and interest of such Debtor in, to and under the following property, wherever located, and whether now existing or hereafter arising or acquired from time to time (the "*Trademark Collateral*");

(i) Each trademark, trademark registration, and trademark application listed on Schedule A hereto, and all of the goodwill of the business connected with the use of, and symbolized by, each such trademark, trademark registration, and trademark application and all extensions and renewals thereof; and

(ii) All proceeds of the foregoing, including without limitation (x) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing and (y) any and all claims and causes of action by Debtor against third parties for damages, restitution and injunctive and other legal and equitable relief by reason of past, present or future infringement, dilution, misappropriation, violation, misuse, breach or default of any trademark, trademark registration, or trademark application listed on Schedule A hereto or by reason of injury to the goodwill associated with any such trademark, trademark registration, or trademark application, in each case together with the right but no obligation to sue for and collect, or otherwise recover, said damages;

to secure the payment and performance of all Secured Obligations of Debtor as defined in that certain Security Agreement bearing even date herewith among Debtor, the other debtors party thereto and Agent, as the same may be amended, modified, or restated from time to time (the "*Security Agreement*").

Notwithstanding anything herein to the contrary, this Trademark Collateral Agreement shall not operate as a sale, transfer, conveyance or other assignment to Agent of any Trademark Collateral, including applications by Debtor for a trademark based on an intent to use without a Statement of Use or Amendment to Allege Use having been filed and accepted (such pending applications which are based on intent to use being hereinafter referred to collectively as "*Intent-to-Use Applications*"), and Intent-to-Use Applications are excluded from the collateral assignment, mortgage, pledge and security interest in the Trademark Collateral only to the extent that, and solely during the period if any in which, the grant of a security interest therein would impair the validity or enforceability of such Intent-to-Use Applications (or the resulting trademark registrations), and when a Statement of Use or Amendment to Allege Use is filed and accepted by

the Trademark Office, then that application shall cease to be contingently exempted from this Trademark Collateral Agreement.

Debtor authorizes the Commissioner for Trademarks and any other government officials to record and register this Trademark Collateral Agreement upon request by the Agent.

Debtor does hereby further acknowledge and affirm that the rights and remedies of Agent with respect to the collateral assignment, mortgage, pledge and security interest in the trademarks, trademark registrations, and trademark applications made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. The rights and remedies of the Agent with respect to the Trademark Collateral are as provided by the Security Agreement and related documents, and nothing in this Trademark Collateral Agreement shall be deemed to limit such rights and remedies.

This Trademark Collateral Agreement may be executed in any number of counterparts, and by the different parties on different counterpart signature pages, all of which taken together shall constitute one and the same agreement. Any of the parties hereto may execute this Trademark Collateral Agreement by signing any such counterpart and each of such counterparts shall for all purposes be deemed to be an original. Delivery of a counterpart hereof by facsimile or in electronic (i.e., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart hereof. This Trademark Collateral Agreement shall be governed by and construed and determined in accordance with the laws of the United States and the State of New York (including Section 5-1401 and Section 5-1402 of the General Obligations law of the State of New York) without regard to conflicts of law principles that would require application of the laws of another jurisdiction. This Trademark Collateral Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

[SIGNATURE PAGE TO FOLLOW]

IN WITNESS WHEREOF, Debtor has caused this Trademark Collateral Agreement to be duly executed as of the date and year last above written.

MU SIGMA, INC.

By: 

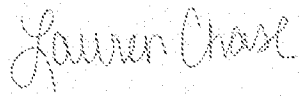
Name: Prakash Devulapalli

Title: Authorized Representative

[Signature Page to Trademark Collateral Agreement]

Accepted and agreed to as of the date and year last above written.

BMO HARRIS BANK N.A.

By 

\_\_\_\_\_  
Name Lauren Chase  
Title Vice President

**SCHEDULE A  
TO TRADEMARK COLLATERAL AGREEMENT**

**REGISTERED TRADEMARKS  
AND TRADEMARK APPLICATIONS**

**U.S. Trademarks**

**TRADEMARK REGISTRATIONS**

COMPANY	DESCRIPTION	REGISTRATION NUMBER	REGISTRATION DATE	COUNTRY
Mu Sigma, Inc.	SERVICE-AS-A SOFTWARE  <b>Cross References:</b> SERVICE AS A SOFTWARE	6147786	08-SEP-2020	U.S.
Mu Sigma, Inc.	MU SIGMA SERVICE-AS-A SOFTWARE  <b>Cross References:</b> MU SIGMA SERVICE AS A SOFTWARE	6213786	08-DEC-2020	U.S.
Mu Sigma, Inc.	MUIDA	5617533	27-NOV-2018	U.S.
Mu Sigma, Inc.	MUOBI	5932347	10-DEC-2019	U.S.
Mu Sigma, Inc.	MUVCL	5609404	20-NOV-2018	U.S.
Mu Sigma, Inc.	MUOBI	5627947	11-DEC-2018	U.S.
Mu Sigma, Inc.	MUDSC  <b>Cross References:</b> MUD SC	5622856	04-DEC-2018	U.S.
Mu Sigma, Inc.	MUVX	5362282	26-DEC-2017	U.S.



	<b>Cross References:</b> MOVE X			
Mu Sigma, Inc.	THE ART OF PROBLEM SOLVING SYSTEM LEARNING OVER KNOWING EXTREME EXPERIMENTA TION INTERDISCIPLI NARY PERSPECTIVES OUTCOMES BEHAVIORS & INSIGHTS ENCODING THE PROBLEM DNA PROBLEM INTERACTIONS ANALYTICS INTERDEPENDEN NCIES DECISION SUPPLY CHAIN	6649044	22-FEB-2022	U.S.
Mu Sigma, Inc.	MUCHECK <b>Cross References:</b> MUCH CHECK	5668010	05-FEB-2019	U.S.
Mu Sigma, Inc.	MUUNIVERSE <b>Cross References:</b> MU UNIVERSE	5680793	19-FEB-2019	U.S.
Mu Sigma, Inc.	MUUNIVERSE <b>Cross References:</b> MU UNIVERSE	5510634	10-JUL-2018	U.S.
Mu Sigma, Inc.	MU SIGMA	5718664	09-APR-2019	U.S.

Mu Sigma, Inc.	MURX	4550092	17-JUN-2014	U.S.
Mu Sigma, Inc.	MUFLOW	4550093	17-JUN-2014	U.S.
Mu Sigma, Inc.	MUPDNA	4550094	17-JUN-2014	U.S.
Mu Sigma, Inc.	MUSTREAM	4550096	17-JUN-2014	U.S.
Mu Sigma, Inc.	MS MU SIGMA	4562236	08-JUL-2014	U.S.
Mu Sigma, Inc.	MU SIGMA DO THE MATH	5398864	13-FEB-2018	U.S.
Mu Sigma, Inc.	DIPP	4253347	04-DEC-2012	U.S.

**TRADEMARK APPLICATIONS**

COMPANY	DESCRIPTION	REGISTRATION NUMBER	APPLICATION DATE	COUNTRY
Mu Sigma, Inc.	ART OF PROBLEM SOLVING SYSTEM	86684558	06-JUL-2015	U.S.