

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM508553

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	MERGER		
<b>EFFECTIVE DATE:</b>	12/03/2018		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Frustum Inc.		12/03/2018	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	PTC Inc.		
<b>Street Address:</b>	121 Seaport Blvd.		
<b>City:</b>	Boston		
<b>State/Country:</b>	MASSACHUSETTS		
<b>Postal Code:</b>	02210		
<b>Entity Type:</b>	Corporation: MASSACHUSETTS		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	5137325	GENERATE	
<b>Serial Number:</b>	87682466	TRUESOLID	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	8032559831		
<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>	8037992000		
<b>Email:</b>	ip@nelsonmullins.com		
<b>Correspondent Name:</b>	Nelson Mullins Riley & Scarborough LLP		
<b>Address Line 1:</b>	301 S. College Street		
<b>Address Line 2:</b>	23rd Floor, IP Department		
<b>Address Line 4:</b>	Charlotte, NORTH CAROLINA 28202		
<b>NAME OF SUBMITTER:</b>	John C. McElwaine		
<b>SIGNATURE:</b>	/John C. McElwaine/		
<b>DATE SIGNED:</b>	02/04/2019		
<b>Total Attachments: 3</b>			
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# Delaware

The First State

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I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"FRUSTUM INC.", A DELAWARE CORPORATION,

WITH AND INTO "PTC INC." UNDER THE NAME OF "PTC INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, AS RECEIVED AND FILED IN THIS OFFICE ON THE THIRD DAY OF DECEMBER, A.D. 2018, AT 12:21 O`CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



  
Jeffrey W. Bullock, Secretary of State

7176382 8100M  
SR# 20187922800

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

Authentication: 204009419  
Date: 12-03-18

**TRADEMARK**  
**REEL: 006549 FRAME: 0023**

STATE OF DELAWARE

CERTIFICATE OF OWNERSHIP AND MERGER OF

FRUSTUM INC.,  
a Delaware corporation

WITH AND INTO

PTC INC.,  
a Massachusetts corporation

*Section 253: subsidiary into parent*

Pursuant to Section 253 of the Delaware General Corporation Law (the “*DGCL*”), PTC Inc., a Massachusetts corporation (“*Parent*”), does hereby certify to the following information relating to the merger (the “*Merger*”) of Frustum Inc., a Delaware corporation (“*Subsidiary*”), with and into Parent, with Parent as the surviving corporation:

1. Parent has acquired (the “*Acquisition*”) and owns all the issued and outstanding shares of the capital stock of Subsidiary.
2. The Merger is permitted under the laws of the Commonwealth of Massachusetts.
3. The following is a copy of the resolutions adopted on November 15, 2018 by the Board of Directors of Parent to merge Subsidiary with and into Parent pursuant to Section 253 of the DGCL:

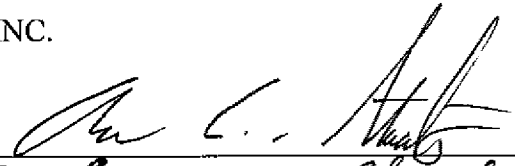
**RESOLVED:** That, subsequent to the Acquisition, the Company is hereby authorized to merge Frustum with and into the Company (the “*Merger*”) and that each of the Authorized Officers and the Secretary and the Treasurer of the Company is hereby authorized to execute and deliver in the name and on behalf of the Company an Agreement and Plan of Merger and Articles of Merger in such form(s) as may be necessary or desirable to effect the Merger, the execution of any such document to be conclusive evidence of such officer’s determination and such officer’s authority hereunder.

**FURTHER RESOLVED:** That the officers of the Corporation are hereby authorized to take or cause to be taken such further actions and to execute and deliver or cause to be executed and delivered such other agreements, certificates and undertakings and to incur all such fees and expenses as they or any of them deems necessary or desirable to carry out the intent of the foregoing resolutions.

4. This Certificate of Ownership and Merger shall be effective upon its filing with the Delaware Secretary of State.

IN WITNESS WHEREOF, Parent has caused this Certificate of Ownership and Merger to be signed by its authorized person as of December 3, 2018.

PTC INC.

By:   
Name: Aaron van Staats  
Title: Secretary